RAIS®
ART OF FIRE

INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE

RAIS RINA, RAIS VIVA & RAIS JUNO

IMPORTANT INFORMATION

On first lighting the stove you must be careful not to touch the painted surfaces and it is MOST IMPORTANT that the door is kept slightly 'ajar' in order for the door seal and sealant to cure.
This will prevent the door seal sticking to the painted body and becoming damaged.

CLEAN AIR ACT
APPROVED FOR WOOD

NORDISK MILJØMÆRKNING
5 87 005

Date : 2012 Sept

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We cannot be held responsible for any misprints.

SUPPLEMENTARY INSTALLATION INSTRUCTIONS FOR THE UK MARKET TO BE READ IN CONJUNCTION WITH THOSE IN THE INSTRUCTION BOOKLET

READ THE INSTRUCTION BOOKLET AND THESE SUPPLEMENTARY INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

These instructions together with those in the instruction booklet cover the basic principles to ensure the satisfactory installation of the stove, although detail may need slight modification to suit particular local site conditions.
In all cases the installation must comply with current Building Regulations, Local Authority Byelaws and other specifications or regulations as they affect the installation of the stove.
It should be noted that the Building Regulations requirements may be met by adopting the relevant recommendations given in British Standards BS 8303, BS EN 15287-1:2007 as an alternative means to achieve an equivalent level of performance to that obtained following the guidance given in Approved Document J.

Please note that it is a legal requirement under England and Wales Building Regulations that the installation of the stove is either carried out under Local Authority Building Control approval or is installed by a Competent Person registered with a Government approved Competent Persons Scheme. HETAS Ltd operate such a Scheme and a listing of their Registered Competent Persons can be found on their website at www.hetas.co.uk.

CO Alarms:-
Building regulations require that when ever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance. Further guidance on the installation of the carbon monoxide alarm is available in BS EN 50292:2002 and from the alarm manufacturer's instructions. Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance and chimney system.

HEALTH AND SAFETY PRECAUTIONS

Special care must be taken when installing the stove such that the requirements of the Health and Safety at Work Act are met.

Handling
Adequate facilities must be available for loading, unloading and site handling.

Fire Cement
Some types of fire cement are caustic and should not be allowed to come into contact with the skin. In case of contact wash immediately with plenty of water.

Asbestos
This stove contains no asbestos. If there is a possibility of disturbing any asbestos in the course of installation then please seek specialist guidance and use appropriate protective equipment.

Metal Parts
When installing or servicing this stove care should be taken to avoid the possibility of personal injury.

STOVE PERFORMANCE

In the UK the stove has been approved by HETAS Ltd as an intermittent operating appliance for burning wood logs only.

PREPARATORY WORK AND SAFETY CHECKS

IMPORTANT WARNING

This stove must not be installed into a chimney that serves any other heating appliance.
There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit fumes into the room.

Chimney

For the stove to perform satisfactorily the chimney height must be sufficient to ensure an adequate draught of approximately 15 Pa so as to clear the products of combustion and prevent smoke problems into the room.

NOTE: A chimney height of not less than 4.5 metres measured vertically from the outlet of the stove to the top of the chimney should be satisfactory. Alternatively the calculation procedure given in EN 13384-1 may be used as the basis for deciding whether a particular chimney design will provide sufficient draught.

The outlet from the chimney should be above the roof of the building in accordance with the provisions of Building Regulations Approved Document J.

If installation is into an existing chimney then it must be sound and have no cracks or other faults which might allow fumes into the house. Older properties, especially, may have chimney faults or the cross section may be too large i.e. more than 230 mm x 230 mm. Remedial action should be taken, if required, seeking expert advice, if necessary. If it is found necessary to line the chimney then a flue liner suitable for solid fuel must be used in accordance with Building Regulations Approved Document J.

Any existing chimney must be clear of obstruction and have been swept clean immediately before installation of the stove. If the stove is fitted in place of an open fire then the chimney should be swept one month after installation to clear any soot falls which may have occurred due to the difference in combustion between the stove and the open fire.

If there is no existing chimney then either a prefabricated block chimney in accordance with Building Regulations Approved Document J or a twin walled insulated stainless steel flue to BS 4543 can be used. These chimneys must be fitted in accordance with the manufacturer's instructions and Building Regulations.

A single wall metal fluepipe is suitable for connecting the stove to the chimney but is not suitable for using for the complete chimney. The chimney and connecting fluepipe must have a minimum diameter of 150 mm and its dimension should be not less than the size of the outlet socket of the stove.

Any bend in the chimney or connecting fluepipe should not exceed 45°. 90° bends should not be used.

Combustible material should not be located where the heat dissipating through the walls of fireplaces or flues could ignite it. Therefore when installing the stove in the presence of combustible materials due account must be taken of the guidance on the separation of combustible material given in Building Regulations Approved Document J and also in these stove instructions.

If it is found that there is excessive draught in the chimney then a draught stabiliser should be fitted. Fitting of a draught stabiliser will affect the requirement for the permanent air supply into the room in which the stove is fitted in accordance with Approved Document J (see also combustion air supply).

Adequate provision e.g. easily accessible soot door or doors must be provided for sweeping the chimney and connecting fluepipe where it is not intended for the chimney to be swept through the appliance, also to permit visual checks on the integrity of the flue when the appliance is serviced.

Hearth

The hearth should be able to accommodate the weight of the stove and its chimney if the chimney is not independently supported. The weight of the stove is indicated in the brochure.

The stove should always be installed on a non-combustible hearth of a size and construction that is in accordance with the provisions of the current Building Regulations Approved Document J.

The clearance distances to combustible material beneath, surrounding or upon the hearth and walls adjacent to the hearth should comply with the guidance on the separation of combustible material given in Building Regulations Approved Document J and also in these stove instructions.

If the stove is to be installed on a combustible floor surface, it must be covered with a non-combustible material at least 12mm thick, in accordance with Building Regulations Ap-

proved Document J, to a distance of 30 cm in front of the stove and 15 cm to each side measuring from the door of the combustion chamber

Combustion air supply

In order for the stove to perform efficiently and safely there should be an adequate air supply into the room in which the stove is installed to provide combustion air. This is particularly necessary if the room is double-glazed or a flue draught stabiliser is operating in the same room as the appliance. It may be necessary to increase the air vent size in property with low air permeability ($\leq$ 5.0 m^3 /($h.m^2$).
The provision of air supply to the stove must be in accordance with current Building Regulations Approved Document J. An opening window is not appropriate for this purpose.
IMPORTANT NOTE: If applicable and the appliance is being fitted within an existing fireplace recess, specialist advice should be sought before fitting any permanent ventilation within this area.

Connection to chimney

Stoves may have a choice of either a rear or top flue gas connector that allows connection to either a masonry chimney or a prefabricated factory made insulated metal chimney in accordance with their instructions. In some cases it may be necessary to fit an adaptor to increase the diameter of the flue to the minimum required 150 mm section of the chimney or liner.

Electrical Services

The installation of any electrical services during the installation of this appliance must be carried out by a registered competent electrician and in accordance with the requirements of the latest issue of BS 7671

Carbon Monoxide Alarm

A carbon monoxide alarm complying with BS EN 50292 must be fitted in the same room as the appliance. It should be positioned on the ceiling at least 300mm from any wall or, if it is located on a wall, as high up as possible (above any doors and windows) but not within 150mm of the ceiling. The alarm should also be between 1m and 3m horizontally from the appliance.

Commissioning and handover

Ensure loose parts are fitted in accordance with the instructions given in the instruction booklet.

On completion of the installation allow a suitable period of time for any fire cement and mortar to dry out, when a small fire may be lit and checked to ensure the smoke and fumes are taken from the stove up the chimney and emitted safely to atmosphere. Do not run at full output for at least 24 hours.

On completion of the installation and commissioning ensure that the operating instructions for the stove are left with the customer. Ensure to advise the customer on the correct use of the appliance with the fuels likely to be used on the stove and warn them to use only the recommended fuels for the stove.

Advise the user what to do should smoke or fumes be emitted from the stove. The customer should be warned to use a fireguard to BS 8423:2002 in the presence of children, aged and/or infirm persons.

SUPPLEMENTARY OPERATING INSTRUCTIONS FOR THE UK MARKET TO BE READ IN CONJUNCTION WITH THOSE IN THE INSTRUCTION BOOKLET

READ THE INSTRUCTION BOOKLET AND THESE INSTRUCTIONS CAREFULLY BEFORE USING THE STOVE

WARNING NOTE

Properly installed, operated and maintained this stove will not emit fumes into the dwelling. Occasional fumes from de-ashing and re-fuelling may occur. However, persistent fume emission is potentially dangerous and must not be tolerated. In the event of fume emission from the appliance, then the following immediate action should be taken: -

(a) Open doors and windows to ventilate room and then leave the premises
(b) Let the fire go out
(c) When safe to do so, check for flue or chimney blockage and clean if required
(d) Do not attempt to relight the fire until the cause of the fume emission has been identified and corrected. If necessary seek expert advice.

The most common cause of fume emission is flueway or chimney blockage. For your own safety these must be kept clean at all times.

IMPORTANT NOTES

General

Before lighting the stove check with the installer that the installation work and commissioning checks described in the installation instructions have been carried out correctly and that the chimney has been swept clean, is sound and free from any obstructions. As part of the stoves' commissioning and handover the installer should have shown you how to operate the stove correctly.

CO Alarm

Your installer should have fitted a CO alarm in the same room as the appliance. If the alarm sounds unexpectedly, follow the instructions given under "Warning Note" above.

Use of fireguard

When using the stove in situations where children, aged and/or infirm persons are present a fireguard must be used to prevent accidental contact with the stove. The fireguard should be manufactured in accordance with BS 8423:2002 (Replaces BS 6539).

If the fire is left unattended a spark guard to BS 3248, specification for spark guards for use with solid fuel appliances should be used.

Chimney cleaning

The chimney should be swept at least twice a year. It is important that the flue connection and chimney are swept prior to lighting up after a prolonged shutdown period.

If the stove is fitted in place of an open fire then the chimney will require sweeping after a month of continuous operation. This is a precaution to ensure that any "softer" deposits left from the open fire usage have not been loosened by the higher flue temperatures generated by the closed stove.

In situations where it is not possible to sweep through the stove the installer will have provided alternative means, such as a soot door. After sweeping the chimney the stove flue outlet and the flue pipe connecting the stove to the chimney must be cleaned with a flue brush.

The Clean Air Act 1993 and Smoke Control Areas

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorised fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

The Secretary of State for Environment, Food and Rural Affairs has powers under the Act to authorise

smokeless fuels or exempt appliances for use in smoke control areas in England. In Scotland and Wales this power rests with Ministers in the devolved administrations for those countries. Separate legislation, the Clean Air (Northern Ireland) Order 1981, applies in Northern Ireland. Therefore it is a requirement that fuels burnt or obtained for use in smoke control areas have been "authorised" in Regulations and that appliances used to burn solid fuel in those areas (other than "authorised" fuels) have been exempted by an Order made and signed by the Secretary of State or Minister in the devolved administrations.

Rais Q-Tee, Rina, Viva, Juno, 500, 900, Epoca II, Poleo II, 900 and Q-Tee II
These have been recommended as suitable for use in smoke control areas when burning wood. The Q-Tee models are fitted with a mechanical stop to prevent air closure beyond the 11.7mm open position. Note this stop is factory fitted. The Q-Tee II model (only) is also approved for use with approved mineral fuels.

Further information on requirements of the Clean Air Act can be found at: http://smokecontrol.defra.gov.uk/ Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements

Special Notes for use in a Smoke Control Area:

Refuelling on to a low fire bed:
If there is insufficient burning material in the firebed to light a new fuel charge, excessive smoke emission can occur. Refuelling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke

Fuel overloading:
The maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

Operation with door left open:
Operation with the door open can cause excess smoke. The appliance must not be operated with the appliance door left open except as directed in the instructions.

Dampers left open:
Operation with the air controls or dampers open can cause excess smoke. The appliance must not be operated with air controls or dampers left open except as directed in the instructions.

Periods of Prolonged Non-Use

If the stove is to be left unused for a prolonged period of time then it should be given a thorough clean to remove ash and unburned fuel residues. To enable a good flow of air through the appliance to reduce condensation and subsequent damage, leave the air controls fully open.

Extractor fan

There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit smoke and fumes into the room.

Aerosol sprays

Do not use an aerosol spray on or near the stove when it is alight.

Use of operating tools

Always use the operating tools provided when handling parts likely to be hot when the stove is in use.

Chimney Fires

If the chimney is thoroughly and regularly swept, chimney fires should not occur. However, if a chimney fire does occur turn off the stove immediately and isolate the mains electricity supply (if applicable), and tightly close the doors of the stove. This should cause the chimney fire to go out. If the chimney fire does not go out when the above action is taken then the fire brigade should be called immediately. Do not relight the stove until the chimney and flueways have been cleaned and examined by a professional.

Permanent air vent

The stove requires a permanent and adequate air supply in order for it to operate safely and efficiently.
In accordance with current Building Regulations the installer may have fitted a permanent air supply vent into the room in which the stove is installed to provide combustion air. This air vent should not under any circumstances be shut off or sealed.

EC CERTIFICATE AND DECLARATION OF CONFORMITY (back of the user manual)

CE

Produced at:
RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark

EN 13240:2001+A2:2004
EC.NO: 131

12

Raumheizer für feste Brennstoffe
Appliance fired by wood
Poêle pour combustibles solides

RINA 90 / RINA SST

AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE	DK:150 mm/SE BRUGERVEJLEDNING DE:150 mm/SIEHE BEDIENUNGSANLEITUNG UK:150 mm/SEE USER MANUAL FR:150 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, SIDEVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, SEITE DISTANCE TO COMBUSTIBLE SIDE WALL DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, COTÉ	DK:350 mm/SE BRUGERVEJLEDNING DE:350 mm/SIEHE BEDIENUNGSANLEITUNG UK:350 mm/SEE USER MANUAL FR:350 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, MØBLERING ABSTAND VORNE ZU BRENNBAREN MÖBELN DISTANCE TO FURNITURE AT THE FRONT DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, DEVANT	DK:700 mm/SE BRUGERVEJLEDNING DE:700 mm/SIEHE BEDIENUNGSANLEITUNG UK:700 mm/SEE USER MANUAL FR:700 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
CO EMISSION CO EMISSION IN DEN VERBRENNUNGSPRODUKTEN EMISSION OF CO IN COMBUSTION PRODUCTS EMISSION CO DANS LES PRODUITS COMBUSTIBLES	DK: 0,1% DE: 0,1% / 1250 mg/nm3 UK: 0,1% FR: 0,1%
STØV / STAUB / DUST / POUSSIÈRES:	DK: 11 mg/Nm3 / DE: 11 mg/Nm3 UK: 11 mg/Nm3 / FR: 11 mg/Nm3
RØGGASTEMPERATUR / ABGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:	DK: 271°C / DE: 271°C UK: 271°C / FR: 271°C
NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:	DK: 4 kW / DE: 4 kW UK: 4.6 kW / FR: 4 kW
VIRKNINGSGRAD / ENERGIEEFFIZIENZ / ENERGY EFFIENCY /EFFICACITÉ ÉNERGÉTIQUE:	DK: 79% / DE: 79% UK: 79% / FR: 79%
DK: Brændsel (Brug kun anbefalede brændsler) Følg instrukserne i brugermanualen. Anordningen er egnet til røggassamleledning og intervalfyring.	DK: BRÆNDE
DE: Hinweis: Lesen und befolgen Sie die Bedienungsanleitung. Für mehrfach belegten Schornstein zugelassene Zeitbrandfeuerstätte. Nur empfohlene Brennstoffe einsetzen.	DE: HOLZ
UK: Fuel types (only recommended) Follow the installation and operating instruction manual. Intermittent operation.	UK: WOOD
F: Remarque: Veuillez lire et observer les instructions du mode d'emploi. Foyer à durée de combustion limitée, homologué pour cheminée à connexions multiples. Utiliser seulement les combustibles recommandés.	FR: BOIS

Hergestellt für /Produced for:
ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham / RAIS A/S, Industrivej 20, DK-9900 Frederikshavn

SINTEF
Certification
110-0369/TG20196

15a B-VG
VKF-NR:
xxxxx
Bauart: 1
DIBt: x-xx-xx-xx

SITAC xxx / xx
Krav på anslutande rökkanal: 350°C
Besigtningsorgan: DTI
Tilverkningsnummer: XXX

Manufacturer's plate for Rina 90

CE

Produced at:

RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark

EN 13240:2001+A2:2004
EC.NO: 131

12

Raumheizer für feste Brennstoffe
Appliance fired by wood
Poêle pour combustibles solides

VIVA 98 G / VIVA 120 G / JUNO G

AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE	DK:100 mm/SE BRUGERVEJLEDNING DE:100 mm/SIEHE BEDIENUNGSANLEITUNG UK:100 mm/SEE USER MANUAL FR:100 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, SIDEVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, SEITE DISTANCE TO COMBUSTIBLE SIDE WALL DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, COTÉ	DK:400 mm/SE BRUGERVEJLEDNING DE:400 mm/SIEHE BEDIENUNGSANLEITUNG UK:400 mm/SEE USER MANUAL FR:400 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, MØBLERING ABSTAND VORNE ZU BRENNBAREN MÖBELN DISTANCE TO FURNITURE AT THE FRONT DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, DEVANT	DK:650 mm/SE BRUGERVEJLEDNING DE:650 mm/SIEHE BEDIENUNGSANLEITUNG UK:650 mm/SEE USER MANUAL FR:650 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
CO EMISSION CO EMISSION IN DEN VERBRENNUNGSPRODUKTEN EMISSION OF CO IN COMBUSTION PRODUCTS EMISSION CO DANS LES PRODUITS COMBUSTIBLES	DK: 0,1% DE: 0,1% / 1250 mg/nm3 UK: 0,1% FR: 0,1%
STØV / STAUB / DUST / POUSSIÈRES:	DK: 11 mg/Nm3 / DE: 11 mg/Nm3 UK: 11 mg/Nm3 / FR: 11 mg/Nm3
RØGGASTEMPERATUR / ABGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:	DK: 271°C / DE: 271°C UK: 271°C / FR: 271°C
NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:	DK: 4 kW / DE: 4 kW UK: 4.6 kW / FR: 4 kW
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SINTEF
Certification
110-0369/TG20196

15a B-VG
VKF-NR:
xxxxx
Bauart: 1

SITAC xxx / xx
Krav på anslutande rökkanal: 350°C
Besigtningsorgan: DTI
Tilverkningsnummer: XXX

Manufacturer's plate for
Viva 98G / Viva 120G / Juno G

CE

Produced at:

RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark

EN 13240:2001+A2:2004
EC.NO: 131

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Raumheizer für feste Brennstoffe
Appliance fired by wood
Poêle pour combustibles solides

VIVA 98 / VIVA 120 / JUNO

AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE	DK:100 mm/SE BRUGERVEJLEDNING DE:100 mm/SIEHE BEDIENUNGSANLEITUNG UK:100 mm/SEE USER MANUAL FR:100 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR
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STØV / STAUB / DUST / POUSSIÈRES:	DK: 11 mg/Nm3 / DE: 11 mg/Nm3 UK: 11 mg/Nm3 / FR: 11 mg/Nm3
RØGGASTEMPERATUR / ABGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:	DK: 271°C / DE: 271°C UK: 271°C / FR: 271°C
NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:	DK: 4 kW / DE: 4 kW UK: 4.6 kW / FR: 4 kW
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Certification
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15a B-VG
VKF-NR:
xxxxx
Bauart: 1

SITAC xxx / xx
Krav på anslutande rökkanal: 350°C
Besigtningsorgan: DTI
Tilverkningsnummer: XXX

Manufacturer's plate for
Viva 98 / Viva 120 / Juno

Introduction

Thank you for purchasing a Rais wood burning stove.
These appliances have been approved by SCA / HETAS as intermittent operating appliances for burning wood logs only.
These appliances have been approved for use in Smokeless Zones

A Rais wood burning stove is more than just a heat source: it also shows that you care about design and quality in your home.

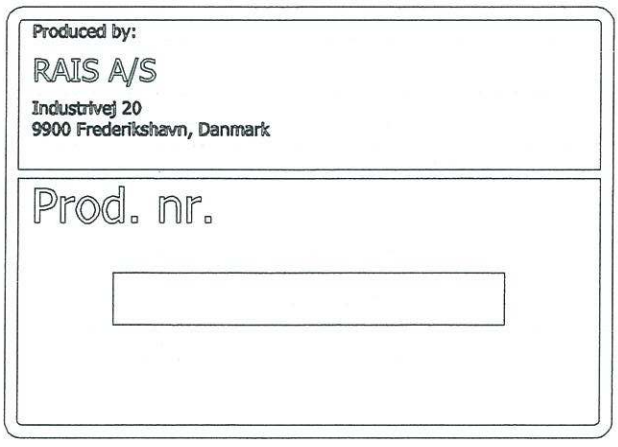
To make the most of your wood burning stove it is important that you read the manual thoroughly before installing and using it.

In the case of warranty coverage, and for general queries regarding your wood burning stove, it is important that you know the stove's production number.
We therefore recommend that you note down the number in the table below.
The production number is located at the back of the stove at the bottom.

Warranty

Your Rais wood burning stove comes with a 5 year warranty.
The warranty, however, does not cover heat-insulating materials, glass and seals.
These are available to order from your local Rais dealer / stockist.

Any alterations made to the stove will void the warranty.



	Rina 90	Viva 98 Viva 98 G	Viva 120 Viva 120 G	Rais Juno Rais Juno G
Nominal output (kW):	4.6	4.6	4.6	4.6
Heating area (m^2):	Ca. 30-90	Ca. 30-90	Ca. 30-90	Ca. 30-90
Size, width/depth/height (mm):	461 / 410 / 900	Ø 440 / 980	Ø 440 / 1200	Ø 470 / 1660
Combustion chamber width/depth/height (mm).	295 / 225 / 393	295 / 225 / 393 320 / 225 / 393	295 / 225 / 393 320 / 225 / 393	295 / 225 / 393 320 / 225 / 393
Recommended amount of wood when fuelling (kg) (Based on 2 - 3 logs of wood approx. 25cm)	1.2	1.2	1.2	1.2
Min. uptake / Min. draught (Pascal):	-12	-12	-12	-12
Weight (kg): (Steel Door / Glass Door)	105	98	104	356
Efficiency (%)	79	79	79	79
Particles after NS3058/3059 (g/kg)	1.39	1.39	1.39	1.39
Dust measured according to Din+ (mg/Nm^3)	11	11	11	11
Smoke gas mass flow (g/s):	4	4	4	4
Smoke gas temperature (°C):	271	271	271	271
Intermittent operation:	Fuelling should be undertaken within 3 hours	Fuelling should be undertaken within 3 hours	Fuelling should be undertaken within 3 hours	Fuelling should be undertaken within 3 hours

Please Note, this appliance has been tested by the manufacturers and works on a 3m straight flue.

Installation instructions

The following pages give instructions for the safe and proper installation of this heating appliance in the UK. These instructions cover the basic principles of installation, although detail may need slight modification to suit particular local site conditions. In all cases the installation must comply with current UK Building Regulations, Local Authority Byelaws and other specifications or regulations as they affect the installation of the stove. Please note that it is a legal requirement under England and Wales Building Regulations that the installation of the stove is either carried out under Local Authority Building Control approval or is installed by a Competent Person registered with a Government approved Competent Persons Scheme. HETAS Ltd operate such a Scheme and a listing of their Registered Competent Persons can be found on their website at www.hetas.co.uk.

It should be noted that the current Building Regulations requirements are given in Approved Document J. These requirements may also be met by adopting the relevant recommendations given in British Standards BS 8303 and BS EN 15287-1.

WARNING: Health and Safety Advice Notice

The installation of this heating appliance is governed by the Health and Safety at Work Act 1974. It is the responsibility of the installer to ensure that all requirements of this Act are met during the installation works. Attention is drawn in particular to the following:

Handling:
The appliance is a heavy item and adequate facilities must be available for loading, unloading and site handling.

Fire Cement:
Some types of fire cement are caustic and should not be allowed to come into contact with the skin. Protective gloves should be worn when handling fire cement. In case of contact with the skin wash immediately with plenty of water.

Asbestos:
This stove contains no asbestos. If there is a possibility of disturbing any asbestos in the course of installation then please seek specialist guidance and use appropriate protective equipment.

Metal Parts:
When installing or servicing this stove care should be taken to avoid the possibility of personal injury.

Important Warning –Preparatory Work and Safety Checks:

- This stove must not be installed into a chimney that serves any other heating appliance.
- It's recommendet not have an extractor fan fitted in the same room as the stove as this can cause the stove to emit fumes into the room.
- If this appliance is installed into an existing chimney, the chimney must first be swept and examined for soundness and suitability before the appliance is installed (see also section headed "Chimney").

Convection

RAIS stoves are convection stoves. This means that the stove's back and side panels are not over-heated. Convection means that there is a circulation of air, which ensures that the heat is distributed more evenly throughout the entire room. The cold air is sucked in at the base of the stove up through the convection channel, which runs along the stove's combustion chamber. The heated air pours out at the top of the stove, which ensures a circulation of warm air throughout the room.

The stoves are equipped with a "cold" lever – RAIS special feature – which means you could almost do away with gloves. Be aware, however, that all exterior surfaces become hot during use - so take extreme care.

Chimney

The chimney is the driving force which makes the stove function. In order for the stove to perform satisfactorily the chimney height must be sufficient to ensure the correct draught of 14 to 18 Pa so as to clear the products of combustion and prevent problems of smoke emanating into the room when firing.
NOTE: A chimney height of not less than 4.5 metres measured vertically from the outlet of the stove to the top of the chimney should be satisfactory. Alternatively the calculation procedure given in BS 5854:1980 may be used as the basis for deciding whether a particular chimney design will provide sufficient draught.

The outlet from the chimney should be above the roof of the building in accordance with the provisions of Building Regulations Approved Document J.

If installation is into an existing chimney then it must be sound and have no cracks or other faults which might allow fumes into the house. Older properties, especially, may have chimney faults or the cross section may be too large i.e. more than 230 mm x 230 mm. Remedial action should be taken, if required, seeking expert advice, if necessary. If it is found necessary to line the chimney then a flue liner suitable for solid fuel must be used in accordance with Building Regulations Approved Document J.

Any existing chimney must be clear of obstruction and have been swept clean immediately before installation of the stove. If the stove is fitted in place of an open fire then the chimney should be swept one month after installation to clear any soot falls which may have occurred due to the difference in combustion between the stove and the open fire.

If there is no existing chimney then either a prefabricated block chimney in accordance with Building Regulations Approved Document J or a twin walled insulated stainless steel flue to BS 4543 can be used. These chimneys must be fitted in accordance with the manufacturer's instructions and Building Regulations.

A single wall metal fluepipe is suitable for connecting the stove to the chimney but is not suitable for using for the complete chimney. The chimney and connecting fluepipe must have a minimum diameter of 150 mm and its dimension should be not less than the size of the outlet socket of the stove which is 150 mm in diameter. Any bend in the chimney or connecting fluepipe should not exceed 45°. 90°bends should not be used.

Combustible material should not be located where the heat dissipating through the walls of fireplaces or flues could ignite it. Therefore when installing the stove in the presence of combustible materials due account must be taken of the guidance on the separation of combustible material given in Building Regulations Approved Document J and also in these stove instructions.

If it is found that there is excessive draught in the chimney then either an adjustable flue damper or alternatively a draught stabiliser should be fitted. The adjustable flue damper should not close off the flue entirely but should in its closed position leave a minimum continuous opening free area of at least 20 % of the total cross sectional area of the flue or fluepipe.

Adequate provision e.g. easily accessible soot door or doors must be provided for sweeping the chimney and connecting fluepipe.

You should also familiarise yourself with the draught conditions for chimneys with 2 flues.

The flue outlet spigot is eiter 150 (6") mm in diameter, or 129 (5") mm in diameter.

For strong draughts, the chimney or flue should be fitted with a draught stabiliser. In which case, it is important to ensure that there is a free flow-through area of minimum 20 cm^2 when the regulating gate is shut. Otherwise, the fuel energy may not be used optimally. If, at any time, you are unsure about the condition of the chimney, you should contact a chimney sweep.

Remember that access to the access door should be kept clear.

Installation

When installing the wood burning stove, there are some rules which MUST be followed:

The stove must be set up and installed in accordance with all current national and local rules and regulations. Local authorities and a chimney specialist should be contacted prior to set up.

It is prohibited to carry out unauthorised alterations to the stove.

There must be plenty of fresh air in the room where the stove is being installed, in order to ensure proper combustion. Note that any mechanical exhaust ventilation - e.g. an extraction hood - may reduce the air supply. Any air grates must be placed in such a manner, that the air supply is not blocked.

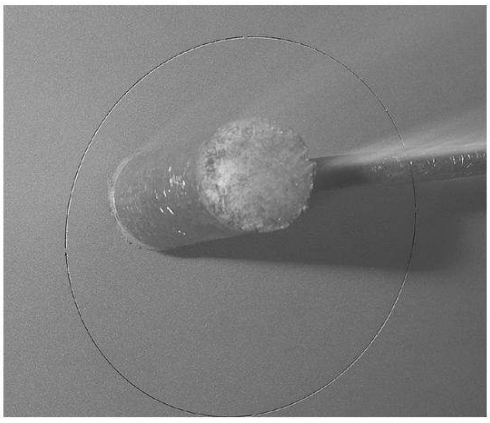
The floor structure must be able to carry the weight of the wood burning stove, as well as the weight of a chimney, if necessary.

When you choose where to set up your RAIS wood burning stove, you should consider the heat distribution to the other rooms. This will enable you to get the best use out of your stove.
The stove should be set up at a safe distance from inflammable materials.

See the manufacturer's plate on the wood burning stove

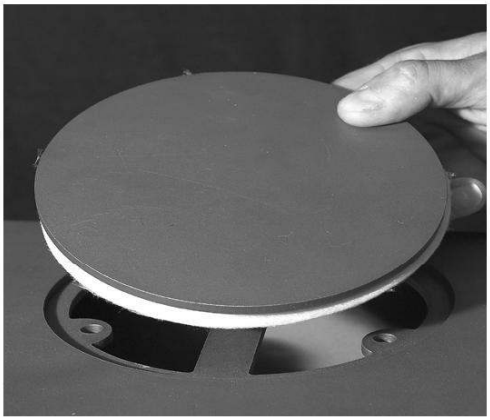
Change of chimney connection

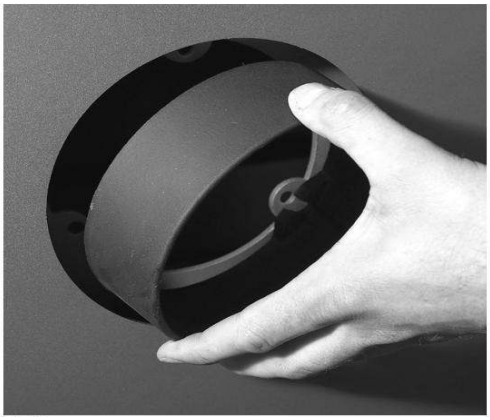
The stove is delivered ready for top outlet, but may be changed to back outlet in the following way:



Strike out the knock out plate at the rear of stove.

Remove the blanking plate and the packing, and position them in the hovle at the top. Ensure that the packing is positioned correctly. Screw all elements together with the three M6 nuts.





Mount the flue collar, which is found in a bag in the stove, and the clamp for the upper smoke conductor with three M6x20 cylinder screws and M6 nuts.

Mount the parts in reverse order.

To find out whether the wall next to where the stove is going to be installed is flammable, you should contact your building contractor or the local building authorities.

The hearth should be able to accommodate the weight of the stove. The chimney must be independently supported by wall brackets or a ceiling support plate. The weight of the stove is indicated in the brochure.

The stove should always be installed on a non-combustible hearth of a size and construction that is in accordance with the provisions of the current UK Building Regulations Approved Document J.

If the stove is to be installed on a wooden floor, it must be covered with a non-combustible material at least 12 mm thick, in accordance with UK Building Regulations Approved Document J, to at distance of 300 mm in front of the stove and 150 mm to each side measuring from the door of the combustion chamber.

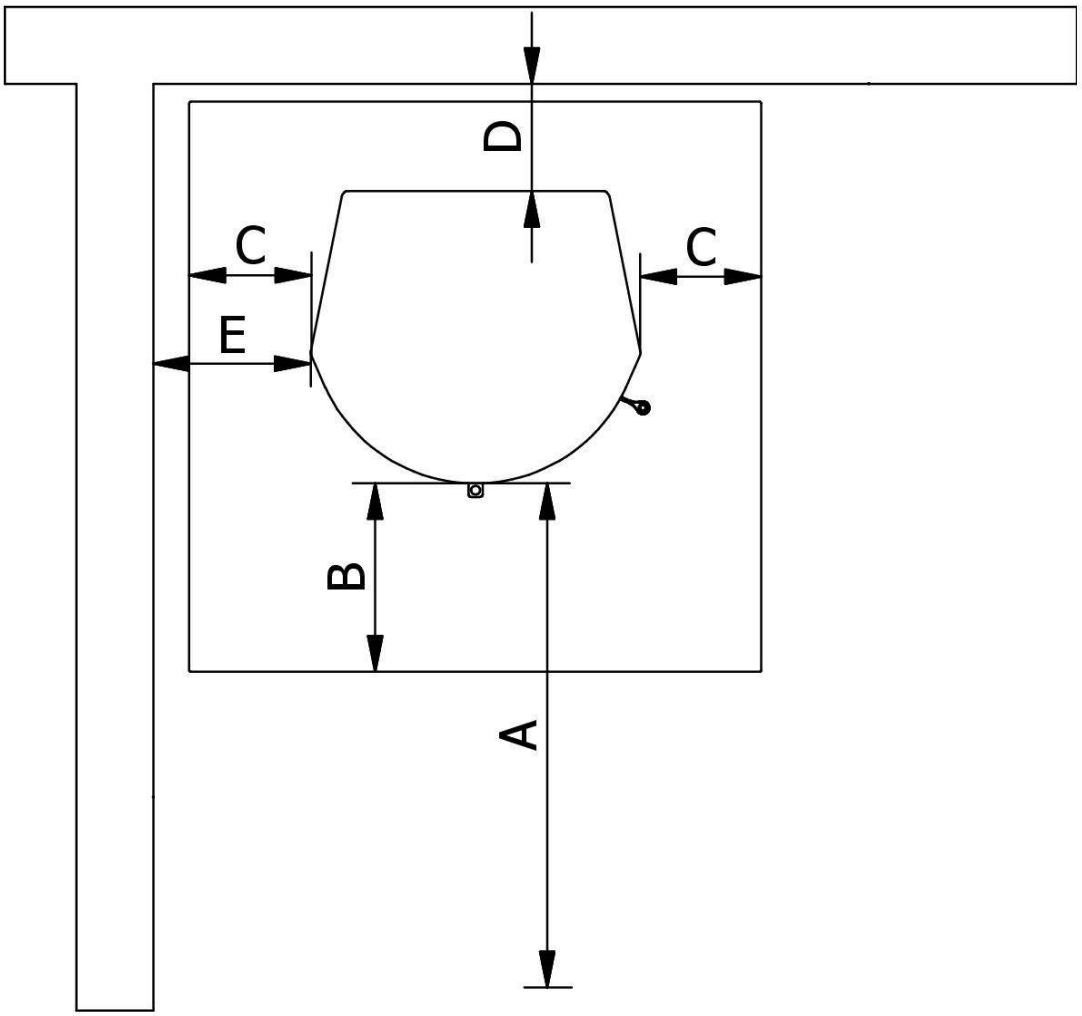
The clearance distances to combustible material beneath, surrounding or upon the hearth and walls adjacent to the hearth should comply with the guidance on the separation of combustible material given in UK Building Regulations Approved Document J and also in these stove instructions.

Normal set-up - corner setting

		Rais Rina
A.	Distance to furniture	700 mm

Distance to flammable materials:

B. -	in front (floor)	300 mm
C. -	to the side (floor)	150 mm
D. -	to the rear (wall)	150 mm
E. -	to the side of the wall	350 mm

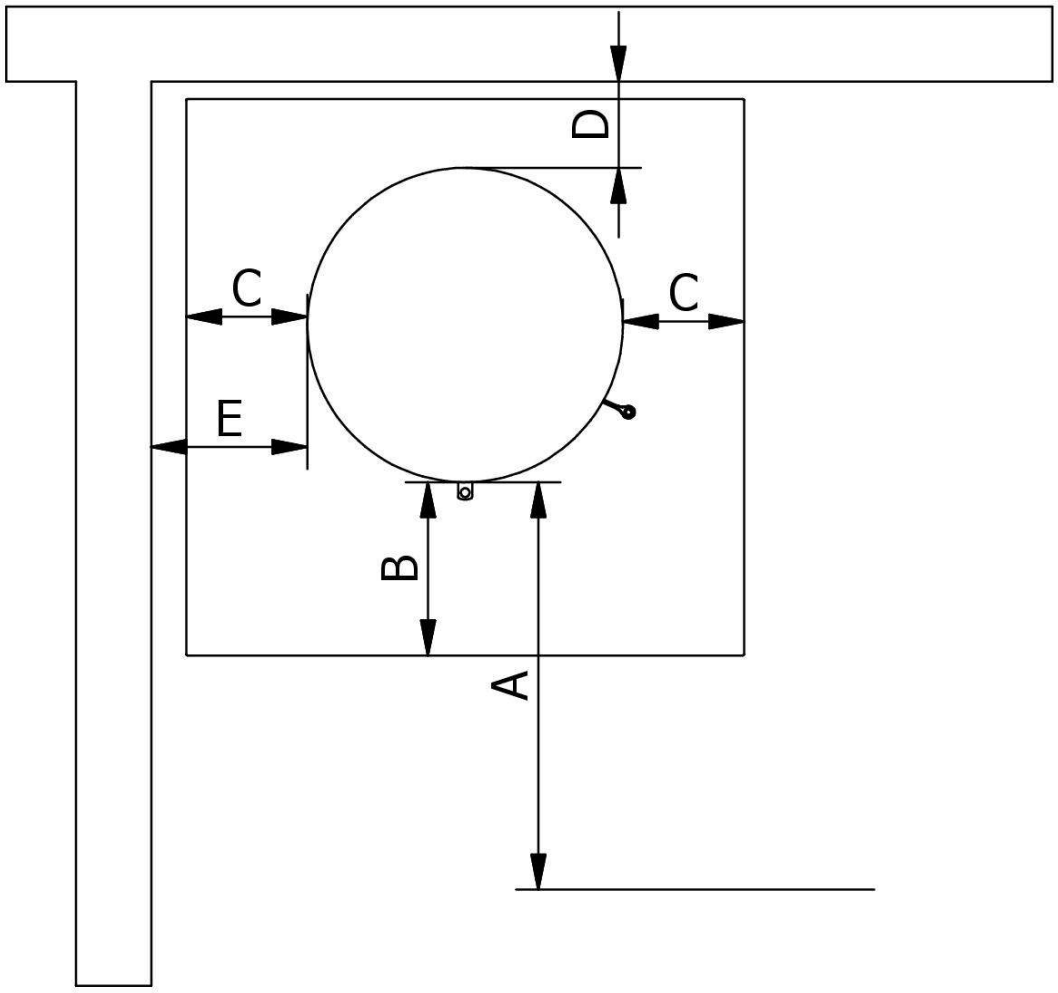


Normal set-up - corner setting

		Rais Viva/Rais Juno	Rais Viva G/Rais Juno G
A.	Distance to furniture	700 mm	650 mm

Distance to flammable materials:

B. -	in front (floor)	300 mm	300 mm
C. -	to the side (floor)	150 mm	150 mm
D. -	to the rear (wall)	100 mm	100 mm
E. -	to the side of the wall	350 mm	400 mm

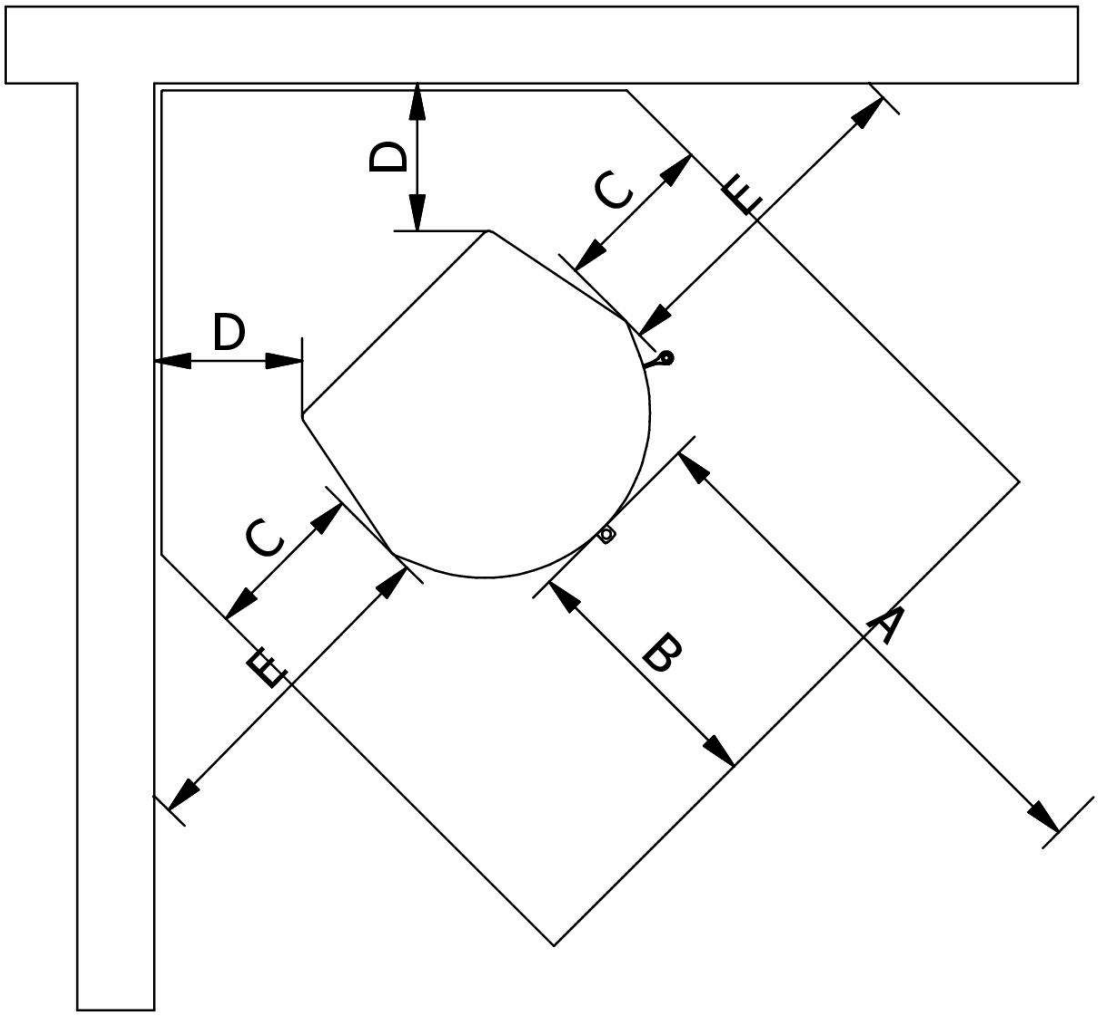


Corner setting 45°

		Rais Rina
A.	Distance to furniture	700 mm

Distance to flammable materials:

B. -	in front (floor)	300 mm
C. -	to the side (floor)	150 mm
D. -	to the rear (wall)	150 mm
E. -	to the side of the wall	350 mm

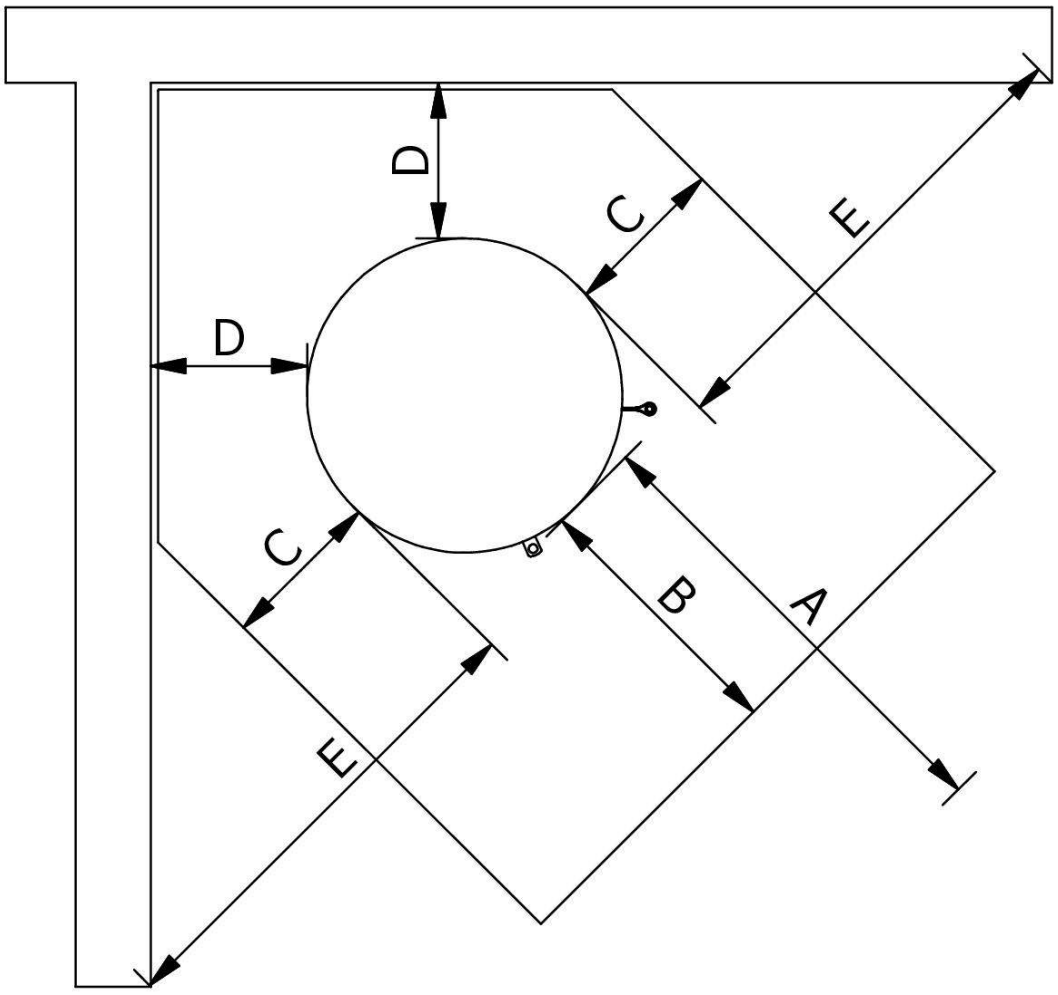


Corner setting 45°

		Rais Viva/Rais Juno	Rais Viva G/Rais Juno G
A.	Distance to furniture	700 mm	650 mm

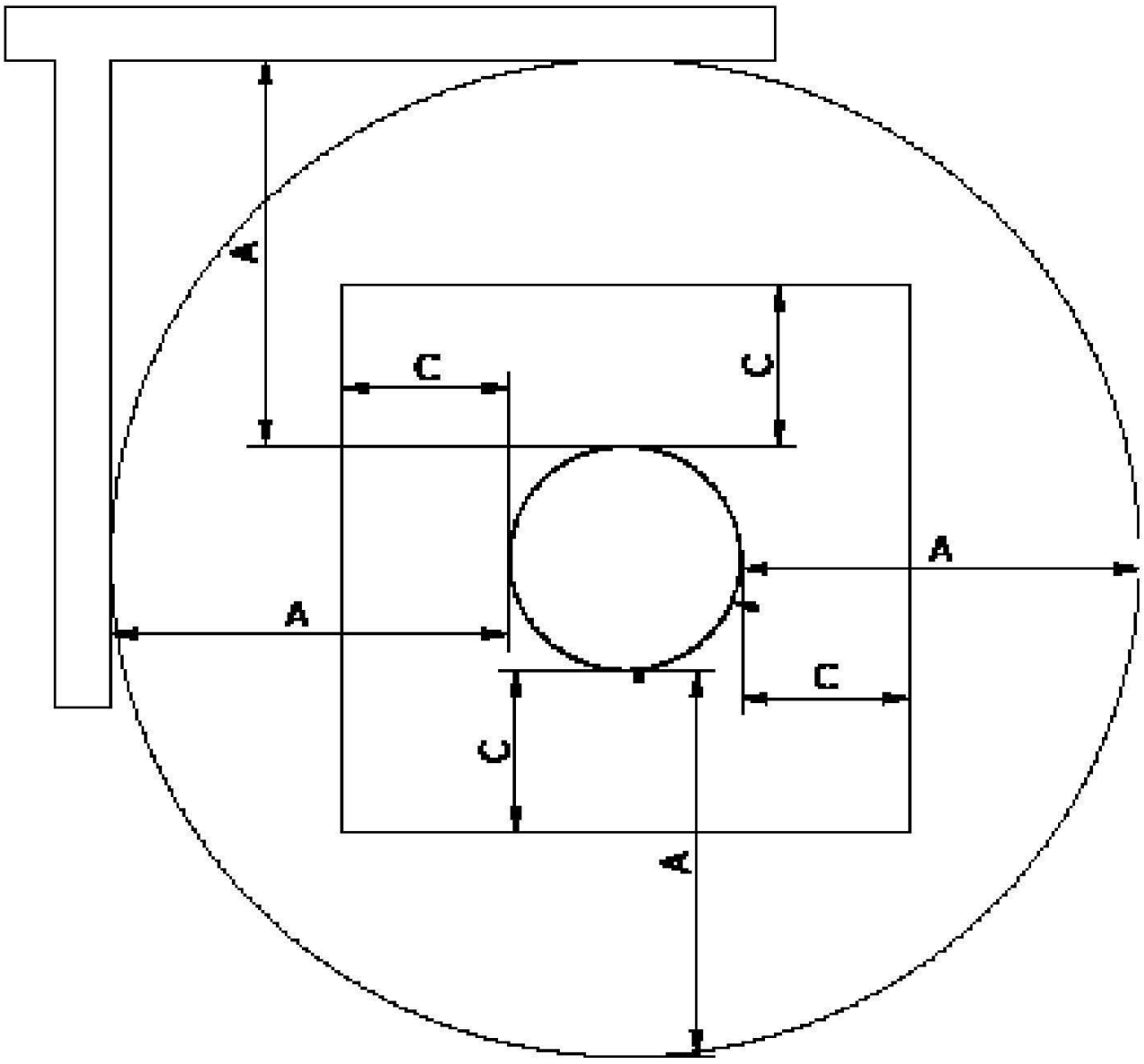
Distance to flammable materials:

B. -	in front (floor)	300 mm	300 mm
C. -	to the side (floor)	150 mm	150 mm
D. -	to the rear (wall)	100 mm	250 mm
E. -	to the side of the wall	350 mm	400 mm



360° swivel base

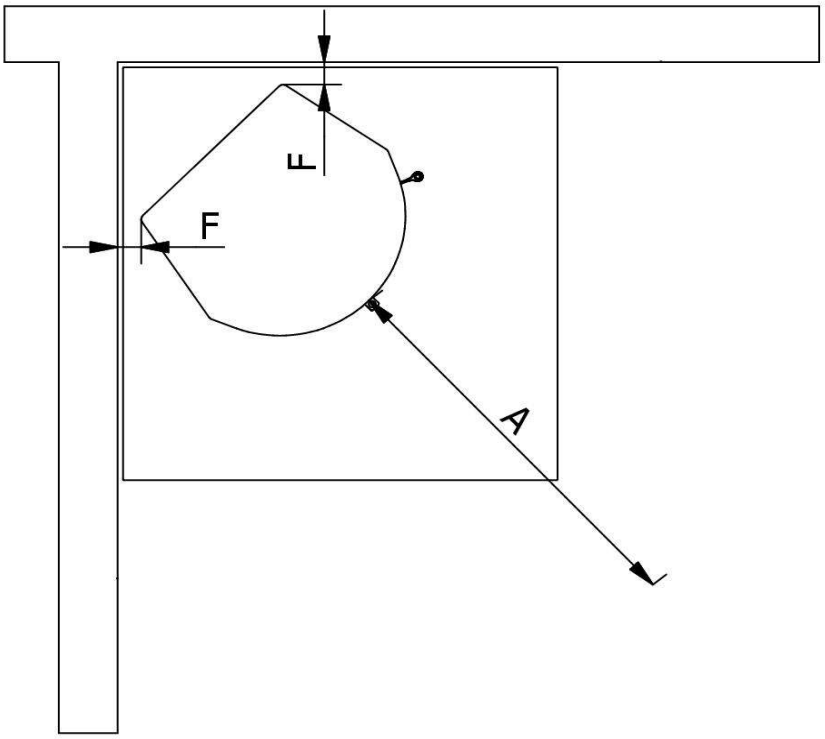
	Rais Viva/Rais Juno	Rais Viva G/Rais Juno G
A. Distance to furniture	700 mm	650 mm
Distance to flammable materials:		
C. - to the side (floor)	300 mm	300 mm

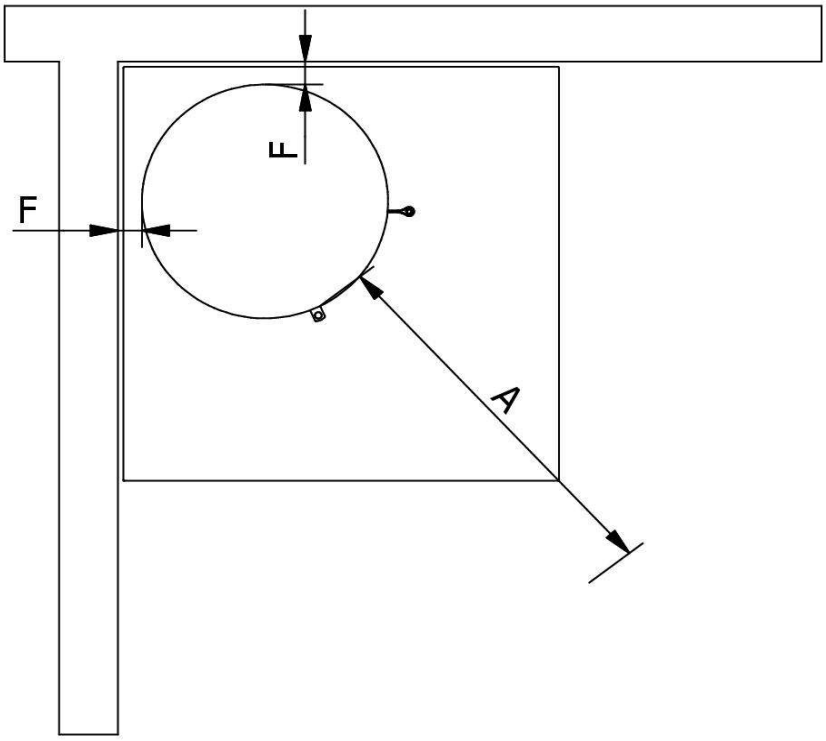


Installation distance in case of non-combustible wall

We recommend a minimum distance to non-combustible material of 50 mm (F) for cleaning considerations.

It should always be possible to access the access door.





For the Installer

Finally before firing the stove for the first time a check should be made to ensure that the assembly and stove installation has been satisfactory and that there are no leaks in any seals in the appliance and appliance connections to the chimney.

Ensure that the appliance and chimney flue are functioning correctly before finally handing over to the user. If necessary read the later parts of this manual for guidance on care required when first lighting.

Inform the user that the appliance has been commissioned and ready to use and give instruction on the safe operation of the stove.

These Instructions must be left with the user and the user should be instructed to keep them in a safe place.

Operating instructions

Please note that HETAS Ltd Appliance Approval only covers the use of dry seasoned wood logs on this appliance. HETAS Ltd Approval does not cover the use of other fuels either alone or mixed with the wood logs, nor does it cover instructions for the use of other fuels.

Fuel

The stove is designed and approved in accordance with EN 13240 and NS 3058 for stoking split, dried firewood. The firewood must have a water content of 15-22% and its max. length should be the length of the combustion chamber minus 50-60 mm.

Stoking with wet firewood causes both soot, environmental pollution and bad fuel economy. Freshly cut wood contains approx. 50-70% water and is thoroughly unsuitable for stoking. Count min. 1 year of storage time for newly cut wood before using.
Wood with a diameter of more than 100 mm should be split. Regardless of wood size, it should always have at least one surface area free of bark.

We do not recommend stoking with painted, laminated or impregnated wood, wood with a synthetic surface, painted refuse wood, chipboard, plywood, domestic waste, paper briquettes and pit coal, as this will produce malodorous smoke, which could be poisonous.

When firing with the above-mentioned items and amounts larger than those recommended, the stove is subjected to a larger amount of heat, which results in a higher chimney temperature and lower efficiency. This can result in the stove and chimney becoming damaged and would void the warranty.

The calorific value of the firewood is closely connected to the moisture level of the firewood. Moist firewood has a low heat value. The more water the wood contains, the more energy it takes for this water to vaporise, resulting in this energy being lost.

ONLY USE RECOMMENDED FUELS

The following table shows the calorific value of different types of wood, which have been stored for 2 years, and which have a residual moisture of 15-17%.

Wood	Kg dry wood pr. m^3	compared to beech/oak
Hornbeam	640	110%
Beech and oak	580	100%
Ash	570	98%
Maple	540	93%
Birch	510	88%
Mountain pine	480	83%
Fir	390	67%
Poplar	380	65%

1 kg of wood yields the same heat energy irrespective of wood type. 1 kg beech merely takes up less space than 1 kg of fir.

IMPORTANT - Warning Note!

Properly installed, operated and maintained this appliance will not emit fumes into the dwelling. Occasional fumes from de-ashing and re-fuelling may occur. However, persistent fume emission is potentially dangerous and must not be tolerated. If fume emission does persist, the following immediate actions should be taken:

(a) Open doors and windows to ventilate room.
(b) Let the fire out or eject and safely dispose of fuel from the appliance.
(c) Check for flue or chimney blockage, and clean if required.
(d) Do not attempt to relight the fire until the cause of the fume emission has been identified and corrected. If necessary seek expert advice.

IMPORTANT - Warning Note!

Do not use an aerosol spray on or near the stove when it is alight.

IMPORTANT - Safety advice!

When using the stove in situations where children, aged and/or infirm persons are present a fireguard must be used to prevent accidental contact with the stove. The fireguard should be manufactured in accordance with BS 8423:2002 (Replaces BS 6539).

Drying and storage

Drying wood takes time: proper air drying takes approx. 2 years.

Here are some tips:
Store the wood sawn, split and stacked in an airy, sunny place, which is protected against rain (the south side of the house is particularly suitable).
Store the firewood stacks at a hand's breadth apart, as this ensures that the air flowing through takes the moisture with it. Avoid covering the firewood stacks with plastic, as this prevents the moisture from escaping. It is a good idea to bring the firewood into the house 2-3 days before you need it.

Regulating the combustion air

All RAIS stoves are equipped with a one-handed operating lever for regulating the damper. The stove-specific regulating mechanisms can be seen on the diagrams.

Primary air is the combustion air added to the primary combustion zone, i.e. the bed of glowing embers. This air, which is cold, is only used in the lighting stage.
Secondary air is the air which is added in the gas combustion zone, i.e. air which contributes to the combustion of the pyrolysis gasses (preheated air, which is used for the cleaner glass system and combustion). This air is sucked through the damper under the combustion chamber and is pre-heated through the side channels and then emitted as hot scavenging air onto the glass. The hot air rinses the glass and keeps it soot-free.

The tertiary channel, which can be seen at the top of the combustion chamber towards the back, serves to combust the final gas residues.

By setting the interval between position 1 and 2, the energy content in the firewood is used optimally, as there is oxygen for combustion and for the burning of the pyrolysis gasses. When the flames are a clear yellow the damper has been set correctly. Finding the correct position comes with time after you have used for stove for a while.

It is not recommended that you turn it down completely. A mistake commonly made is shutting the damper too early because it feels too hot. This results in dark smoke emanating from the chimney and in the calorific value of the firewood not being used to its fullest.

Room ventilation and stoves

There must not be an extractor fan fitted in the same room as the stove as this can cause the stove to emit smoke and fumes into the room.

The stove requires a permanent and adequate air supply in order for it to operate safely and efficiently.
In accordance with current Building Regulations the installer may have fitted a permanent air supply vent into the room in which the stove is installed to provide combustion air. This air vent should not under any circumstances be shut off or sealed.

Lighting and fuelling (back of the user manual)

"Top-Down" lighting

Start by placing 3-4 pieces wood - approx. 1½-2 kilogram - in the bottom of the burning chamber.
Place approx. 1kilogram of dry firewood, split into kindling sticks., and a couple of alcohol briquettes or similar (1-2).
Set the air damper to fully open position.

Light the fire and close the door (3-4).

When the flames are clear - after approx. 10-15 min - close the door completely (5).
Damper - see adjustment of air damper.

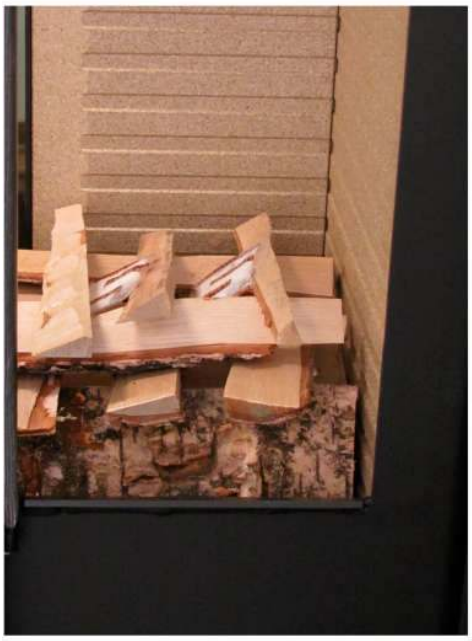
When the last flames are extinguished and there is a nice layer of embers (6), add 2-3 pieces of wood.
Close the door and once the fire has a good hold closed door completely.
Damper - see adjustment of air damper.

After approx. 5 min - or when the flames are clear and stable (7) - close the damper gradually.

Note!!!

Keep an eye on the stove when lighting.

During operation the door should always remain shut.



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Using the wood burning stove (front of the user manual)

Adjustment of the air damper - the damper has 3 settings

Position 1

The damper is almost closed meaning that there is a minimal air intake.

Position 2

Push the lever to the right until first stop. This position gives full secondary air.
During normal stoking the lever is set between position 1 and 2.
When the flames are clear and yellow, the damper is set correctly, i.e. resulting in a slow/ optimal burning.

Position 3

Push the lever until next click.
The air damper is completely open and gives full primary and secondary air. The position is for the lighting stage and is not used under normal operation.

Control

If the ash is white and the walls in the combustion chamber soot-free after the stove has been used, the air regulation was set correctly and the wood was sufficiently dry.

First usage

A careful start pays off. Start with a small fire, so that the wood burning stove can get accustomed to the high temperature. This gives the best start and any damage is avoided.

Be aware that a strange but harmless odour and smoke concoction may emanate from the surface of the stove, the first time you fire up. This is because the paint and materials need to harden. The odour disappears quickly, but you should check the ventilation and draught, if possible. See also, the IMPORTANT warning notice below about persistent fumes.

During this process you must be careful not to touch the painted surfaces, and it is recommended that you regularly open and close the door to prevent the door seal from sticking.

The stove may also produce "clicking noises" during heating and cooling, caused by the large temperature differences which the material is subjected to.

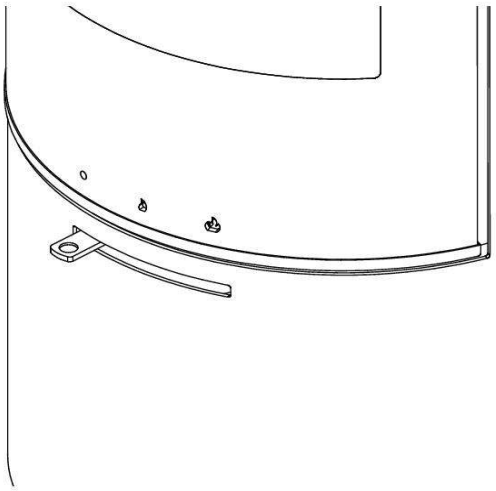
Never use any type of liquid fuel for kindling or maintaining the fire. You could be at risk of explosion.

The stove gets very hot when in use always wear protective gloves when tending the stove.

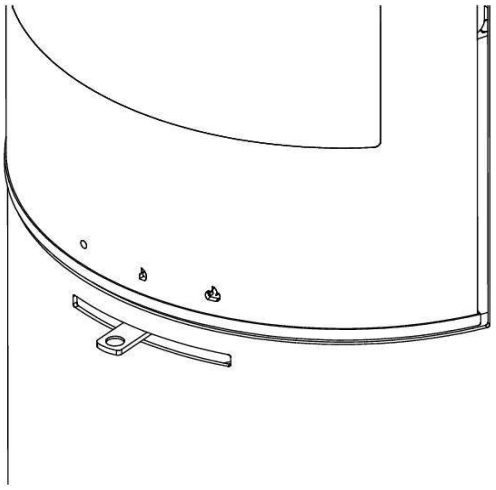
If the stove has not been used for a while, follow the steps as if you were using it for the first time.

Using the wood burning stove

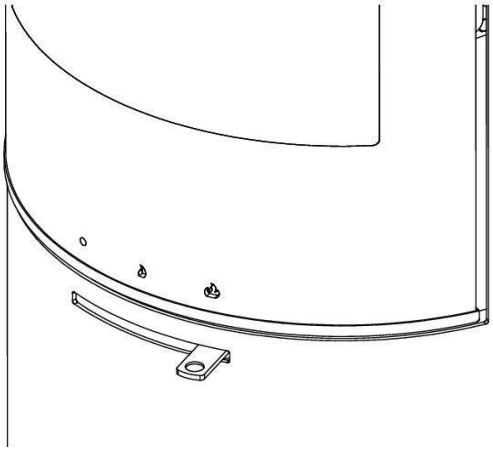
Adjustment of the air damper



Position 1



Position 2



Position 3

Cleaning and care

The wood burning stove and the chimney must be serviced by a chimney sweep twice a year. During cleaning and care, the stove must be cold.

If the glass is sooty:
- Moisten a piece of paper or newspaper, dip it in the ash, and rub the sooty glass with it.
- Now rub with a piece of paper and the glass will become clean.
- As an alternative you can use glass polish, which you can buy from you RAIS distributor.

Clean the exterior with a dry sponge.

Cleaning the combustion chamber:

Scrape/shovel the ash out and store it in a non-flammable container until it has cooled down. You can dispose of ash with your normal household waste.

REMEMBER!! Never remove all the ashes from the combustion chamber - the wood will burn at its best with a layer of ashes of approx. 20 mm.

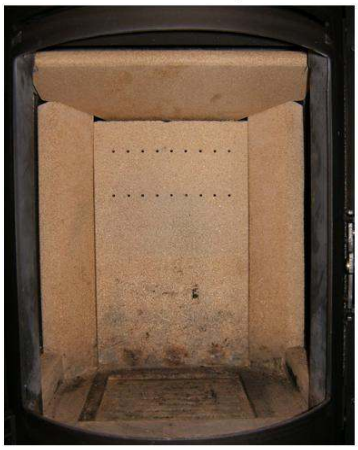
Prolonged period of non-use:

If the stove is to be left unused for a prolonged period of time then it should be given a thorough clean to remove ash and unburned fuel residues. To enable a good flow of air through the appliance to reduce condensation and subsequent damage, leave the air controls fully open.

Prior to a new heating season, it should be checked that the chimney and smoke gas connector are not blocked.

Cleaning of flue way

The flue ways are consist of a smoke converter plate and a smoke chicane.
The converter plate are made of vermaculit. Handle the part with care.



Remove the smoke converter plate by tilting it backwards and turning it a little slantwise.

Pull out the plate carefully.

Then remove the smoke chicane by lifting up and tipping it backwards.
Carefully lift out the smoke chicane.

Remove dirt and dust, and mount the parts in reverse order.

Problem solving

Smoke spillage around door:
- could be due to too low draught in the chimney <12Pa
- check if the flue or chimney is blocked
- check if a extraction hood is switched on; if it is, switch it off and open a window/door in the proximity of the stove for a short while.

Soot on glass:
- could be because the firewood is too wet.
- make sure that the stove is heated properly when firing up, prior to closing the door
- could be because the damper regulation is too low.

A stove burning too strong could be caused by:
- a leak around the door seal
- chimney draught too large >22 Pa, draught control regulator should be installed.

A stove burning too weakly could be caused by:
- too little firewood
- too little air supply for the room ventilation
- dirty smoke channels
- leaking chimney
- leakage between chimney and flue

If your stove continues to malfunction, we recommend that you contact your RAIS distributor or chimney sweep.

IMPORTANT!!

To ensure safe burning there must be clear yellow flames or clear embers at all times. The firewood should not be smouldering. Therefore you should never completely cut off the air supply.

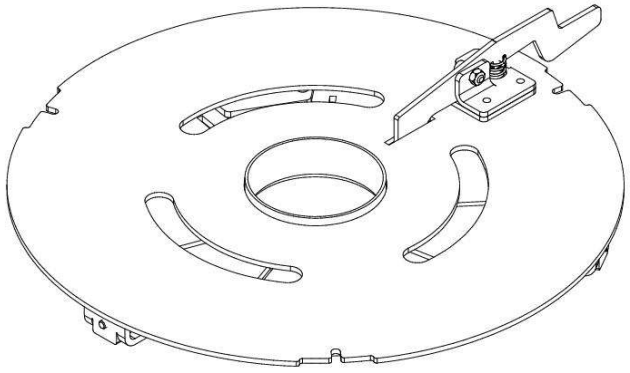
WARNING!!

In case of chimney fire:
- shut off all air supply on the wood burning stove
- contact the fire services
- never attempt to put out fire with water!
- afterwards, you should ask your chimney sweep to check the stove and chimney

Accessories and spare parts

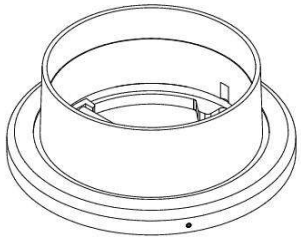
If spare parts other than those recommended by RAIS are used, the warranty is voided.

2311590 - Swivel base - Viva



9191590 - Swivel base - Juno

8142390 - Ball coupling



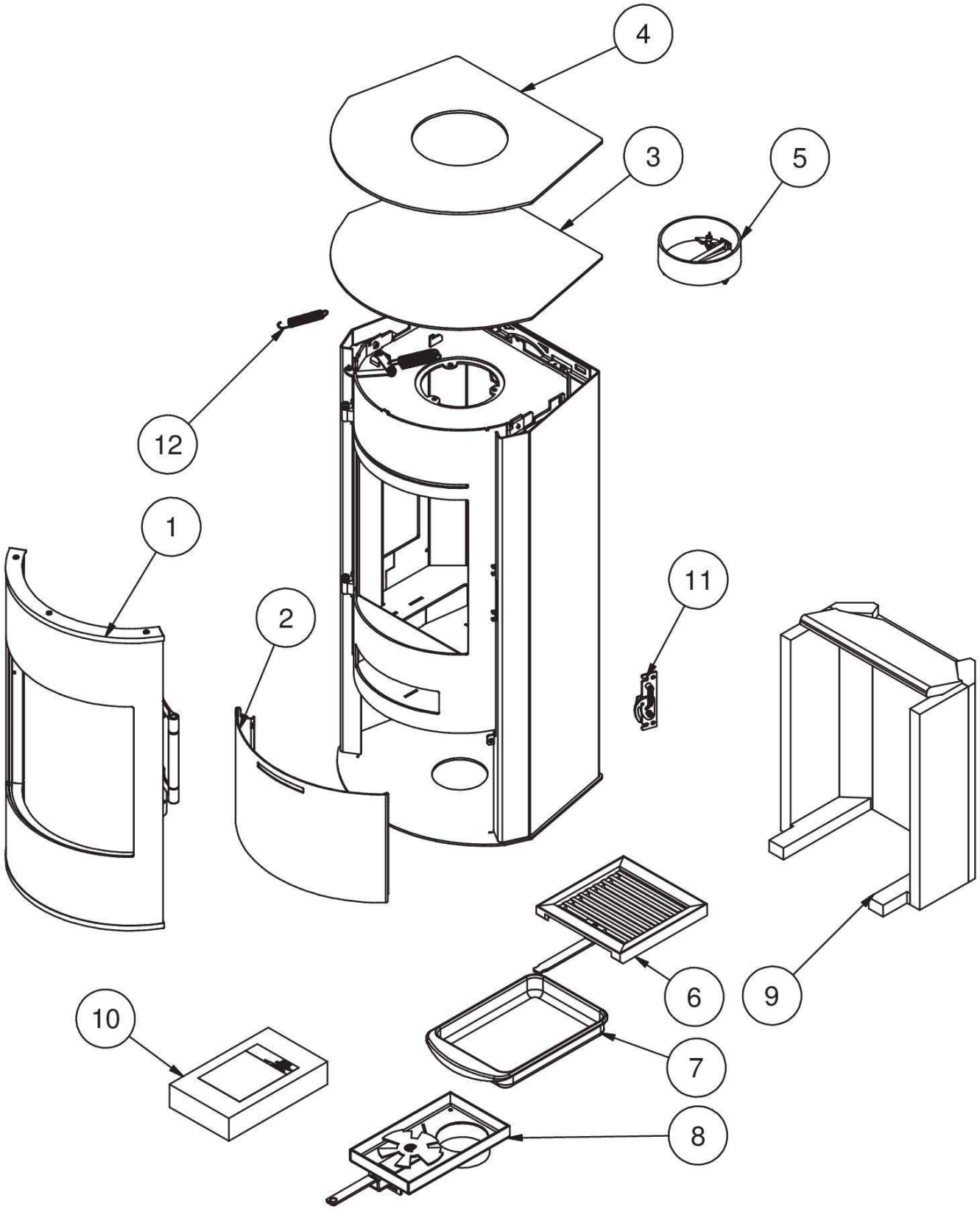
Spare parts drawing Rina 90 (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Pos./Ref.	Quantity	Part no.:	Description
1	1	1312090	Glass door
2	1	3310404	Cover for wood compartment
3	1	3310601	Top plate without hole
4	1	3310602	Top plate with hole
5	1	61-00	Flue collar 6”
6	1	1313800	Shaking grate
7	1	1314001	Ash pan
8	1	1311790	Air-box
9	1	1312200	Fire brick set
10	1	1315500	Seal set
11	1	1311890	Closing system
12	2	7301026	BA1 spring, stainless wire

RAIS RINA 90



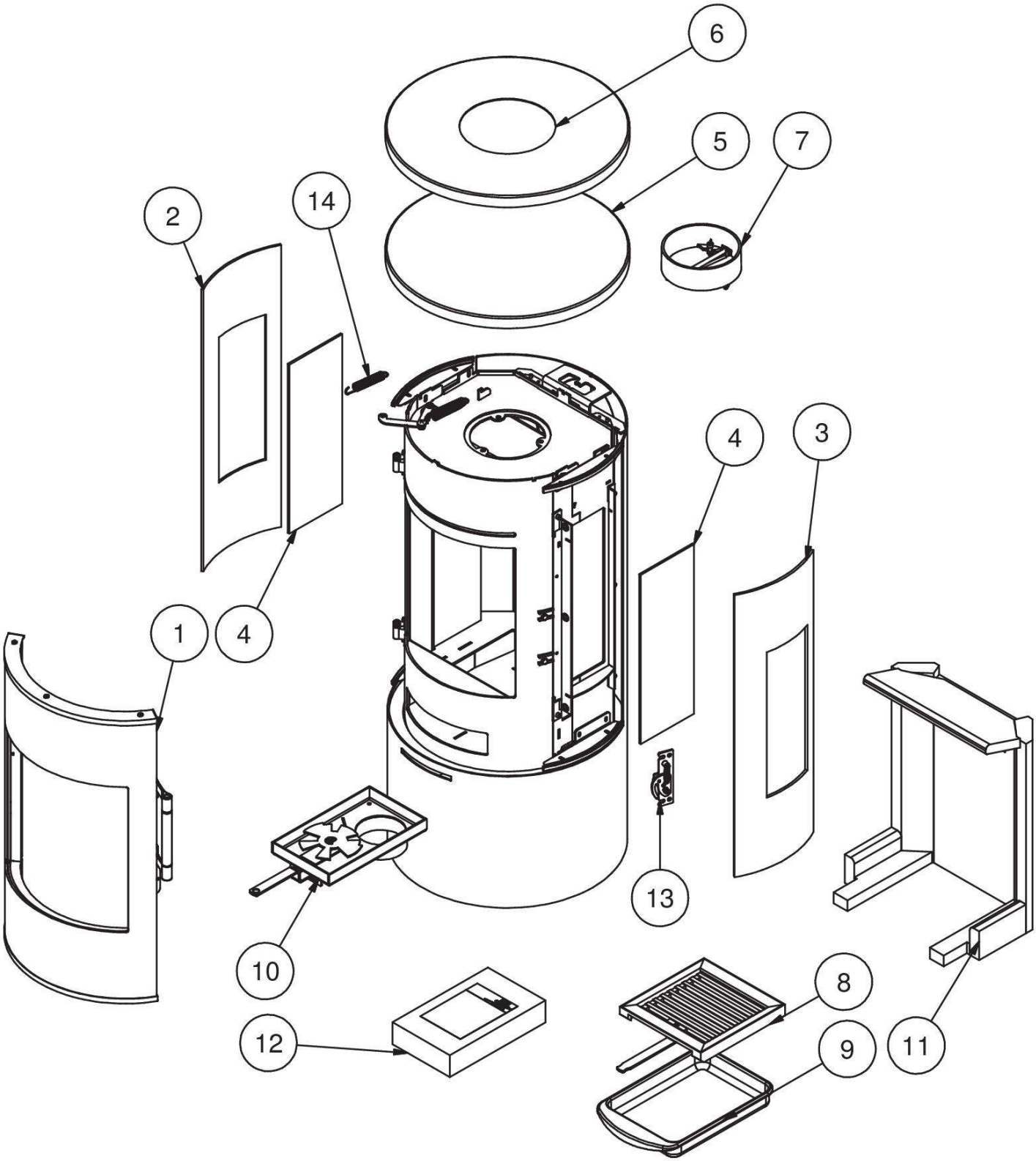
Spare parts drawing Viva 98 with side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Pos./Ref.	Quantity	Part no.:	Description
1	1	1311090	Glass door - double glass
2	1	1315002	Left side glass
3	1	1315004	Right side glass
4	2	1315003	Inner glass - side
5	1	2310601	Top plate without hole
6	1	2310602	Top plate with hole
7	1	61-00	Flue collar 6”
8	1	1313800	Shaking grate
9	1	1314001	Ash pan
10	1	1311790	Air-box
11	1	1312200-1	Fire brick set
12	1	1315500	Seal set
13	1	1311890	Closing system
14	2	7301026	BA1 spring, stainless wire

RAIS VIVA 98 G



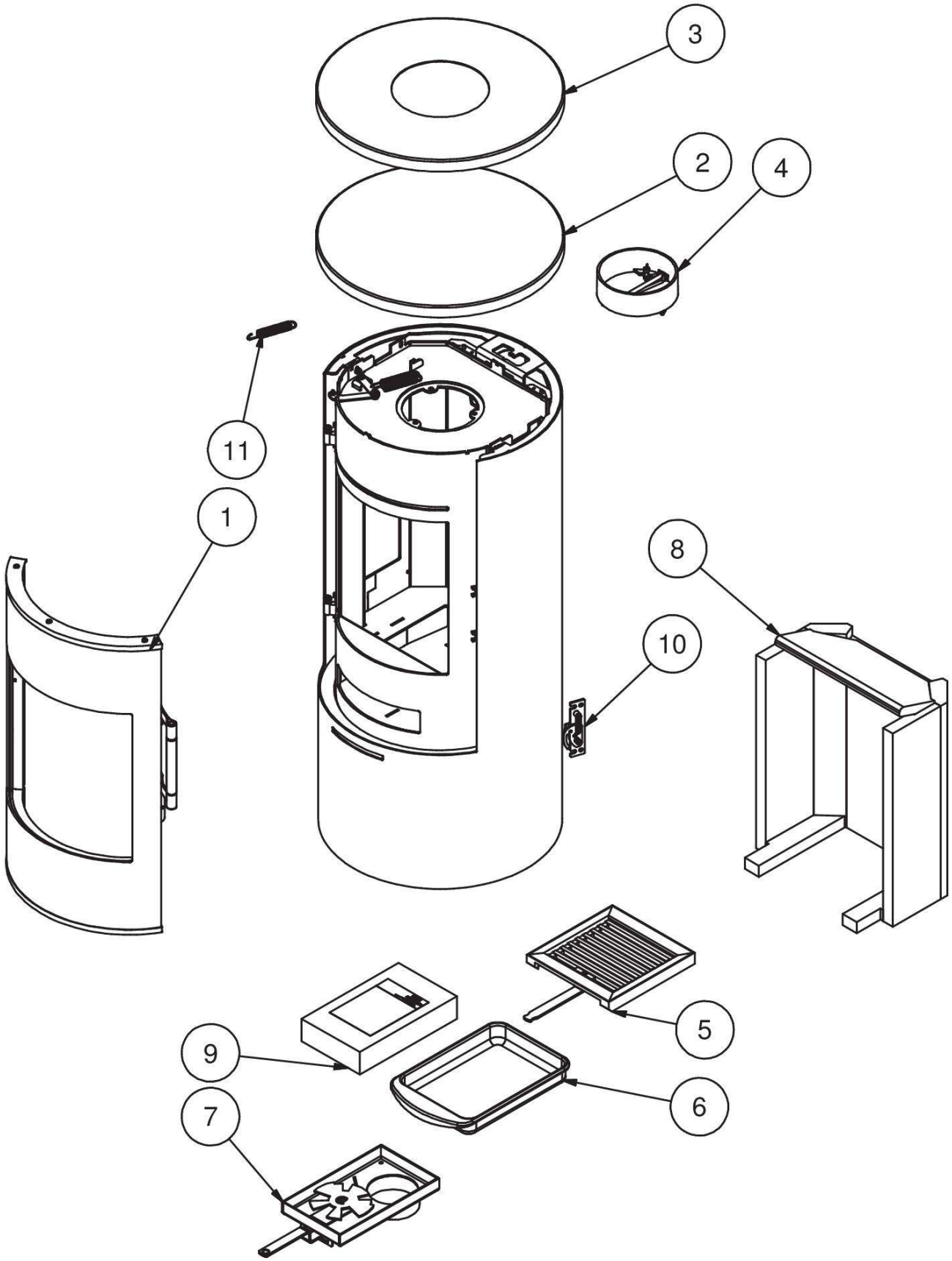
Spare parts drawing Viva 98 without side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Ref.	Antall	Varenr.	Beskrivelse
1	1	1312090	Glass door
2	1	2310601	Top plate without hole
3	1	2310602	Top plate with holel
4	1	61-00	Flue collar 6”
5	1	1313800	Shaking grate
6	1	1314001	Ash pan
7	1	1311790	Air-box
8	1	1312200	Fire brick set
9	1	1315500	Seal set
10	1	1311890	Closing system
11	2	7301026	BA1 spring, stainless wire

RAIS VIVA 98



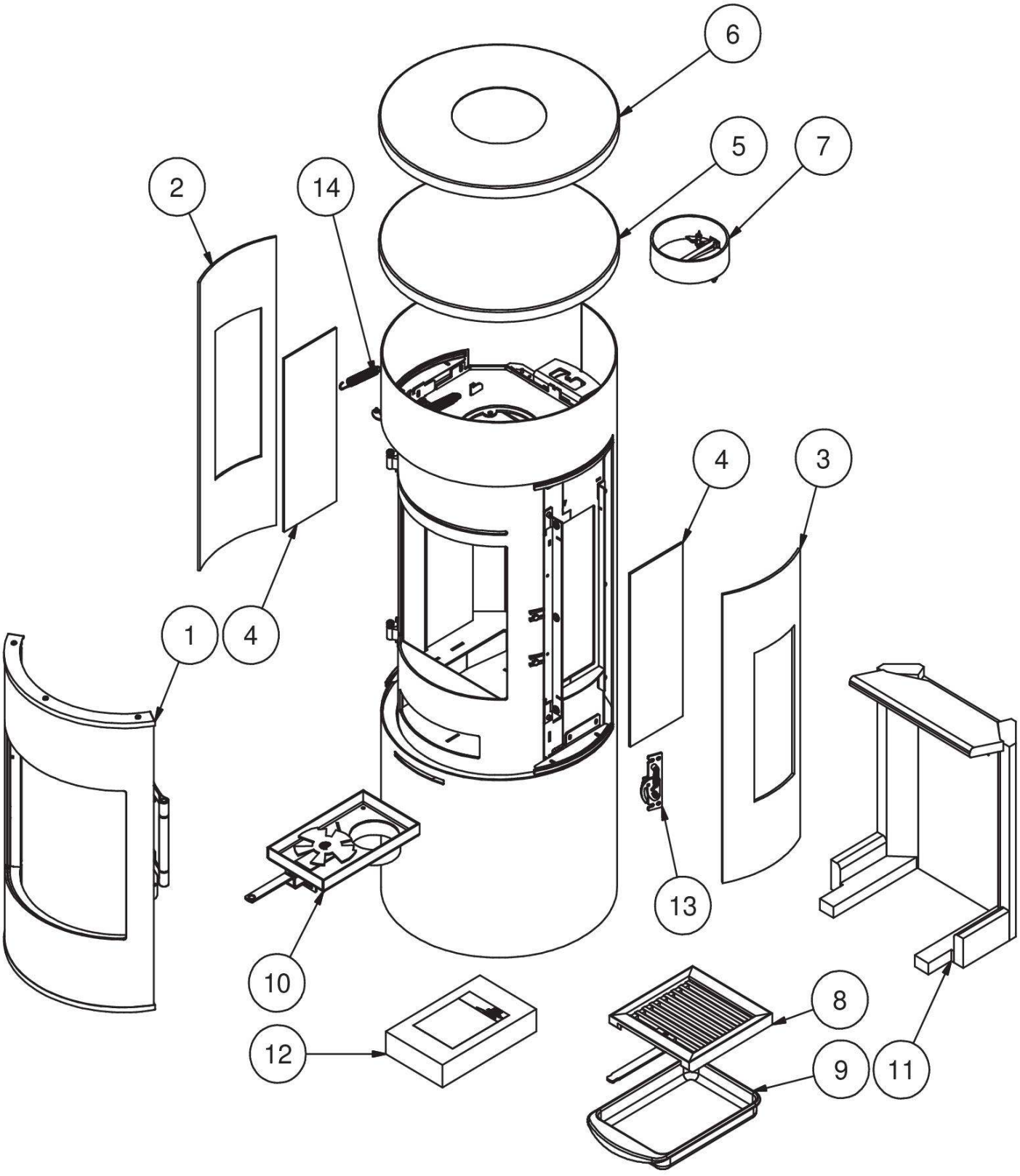
Spare parts drawing Viva 120 with side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Pos./Ref.	Quantity	Part no.:	Description
1	1	1311090	Glass door - double glass
2	1	1315002	Left side glass
3	1	1315004	Right side glass
4	2	1315003	Inner glass - side
5	1	2310601	Top plate without hole
6	1	2310602	Top plate with hole
7	1	61-00	Flue collar 6”
8	1	1313800	Shaking grate
9	1	1314001	Ash pan
10	1	1311790	Air-box
11	1	1312200-1	Fire brick set
12	1	1315500	Seal set
13	1	1311890	Closing system
14	2	7301026	BA1 spring, stainless wire

RAIS VIVA 120 G



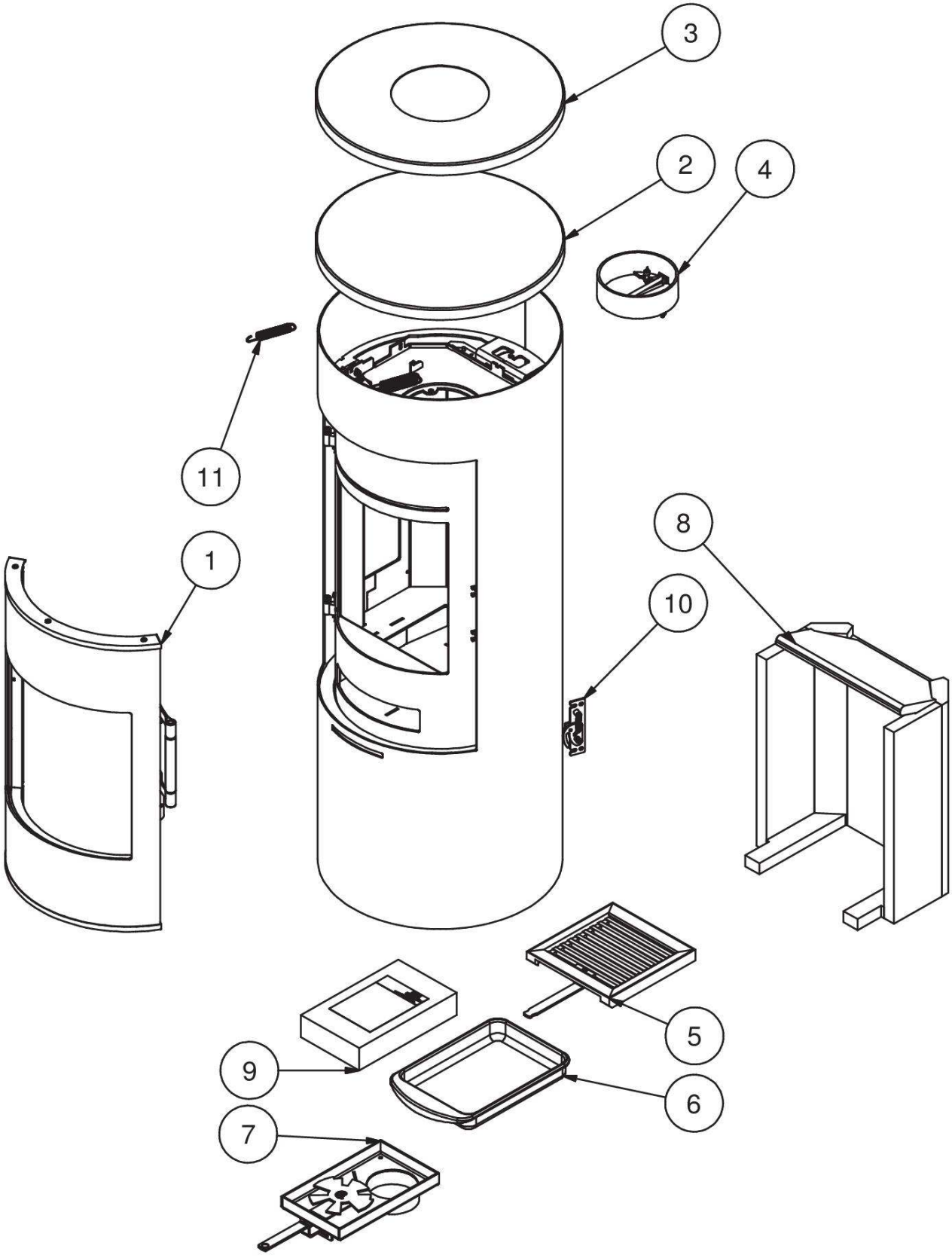
Spare parts drawing Viva 120 without side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Pos./Ref.	Quantity	Part no.:	Description
1	1	1312090	Glass door
2	1	2310601	Top plate without hole
3	1	2310602	Top plate with hole
4	1	61-00	Flue collar 6”
5	1	1313800	Shaking grate
6	1	1314001	Ash pan
7	1	1311790	Air-box
8	1	1312200	Fire brick set
9	1	1315500	Seal set
10	1	1311890	Closing system
11	2	7301026	BA1 spring, stainless wire

RAIS VIVA 120



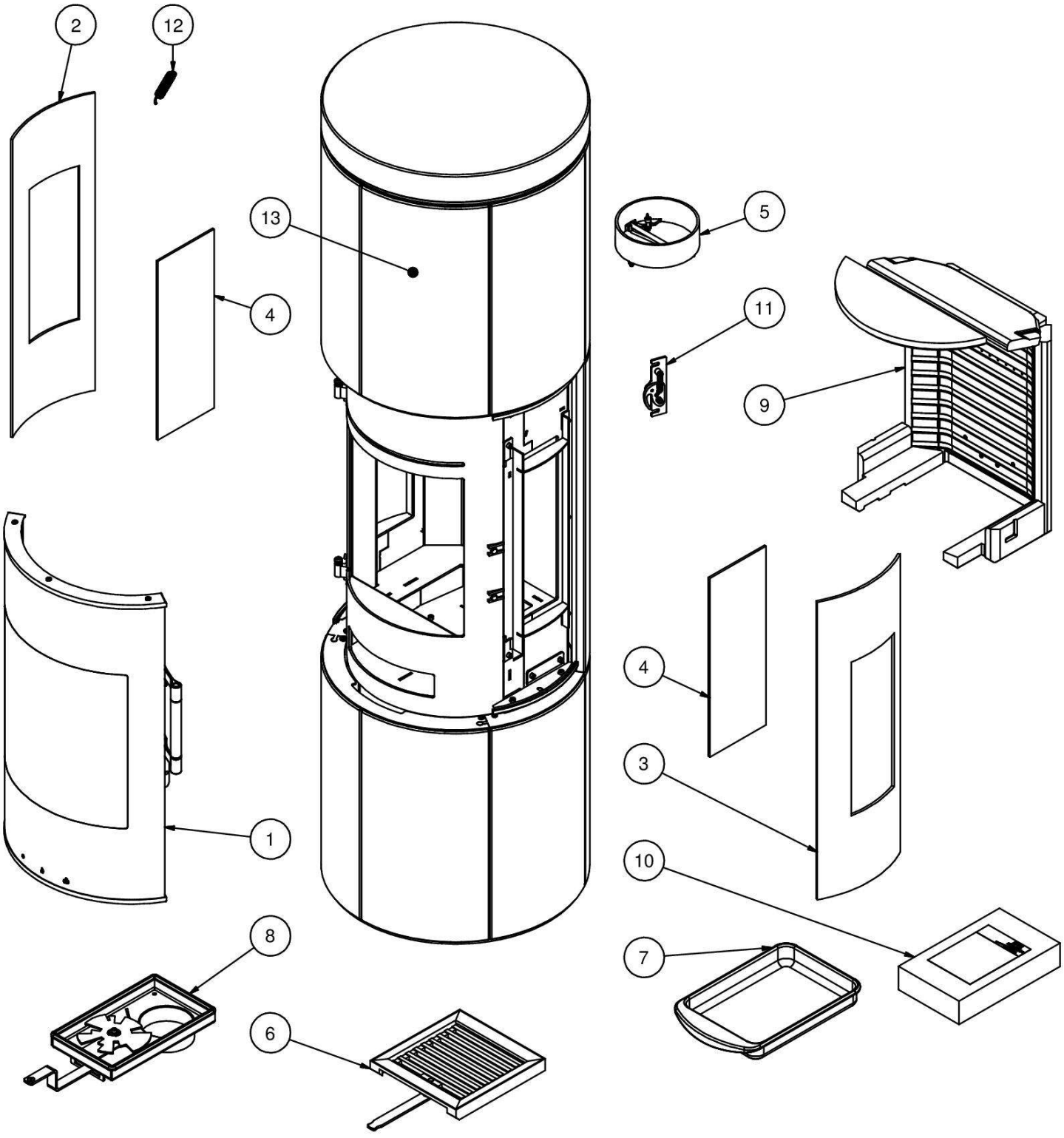
Spare parts drawing Juno with side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

See the following spare parts diagrams for the individual products.

Pos/Ref.	Quantity	Part no.:	Description
1	1	1311090	Glass door - double glass
2	1	1315002	Left side glass
3	1	1315004	ight side glass
4	2	1315003	Inner glass - side
5	1	61-00	Flue collar 6”
6	1	1313800	Shaking grate
7	1	1314001	Ash pan
8	1	4311790	Air-box
9	1	1312200-1	Fire brick set
10	1	1315500	Seal set
11	1	1311890	Closing system
12	2	7301026	BA1 spring, stainless wire
13	1	432700001/ 432700002	Soapstone set

RAIS JUNO 1560 G



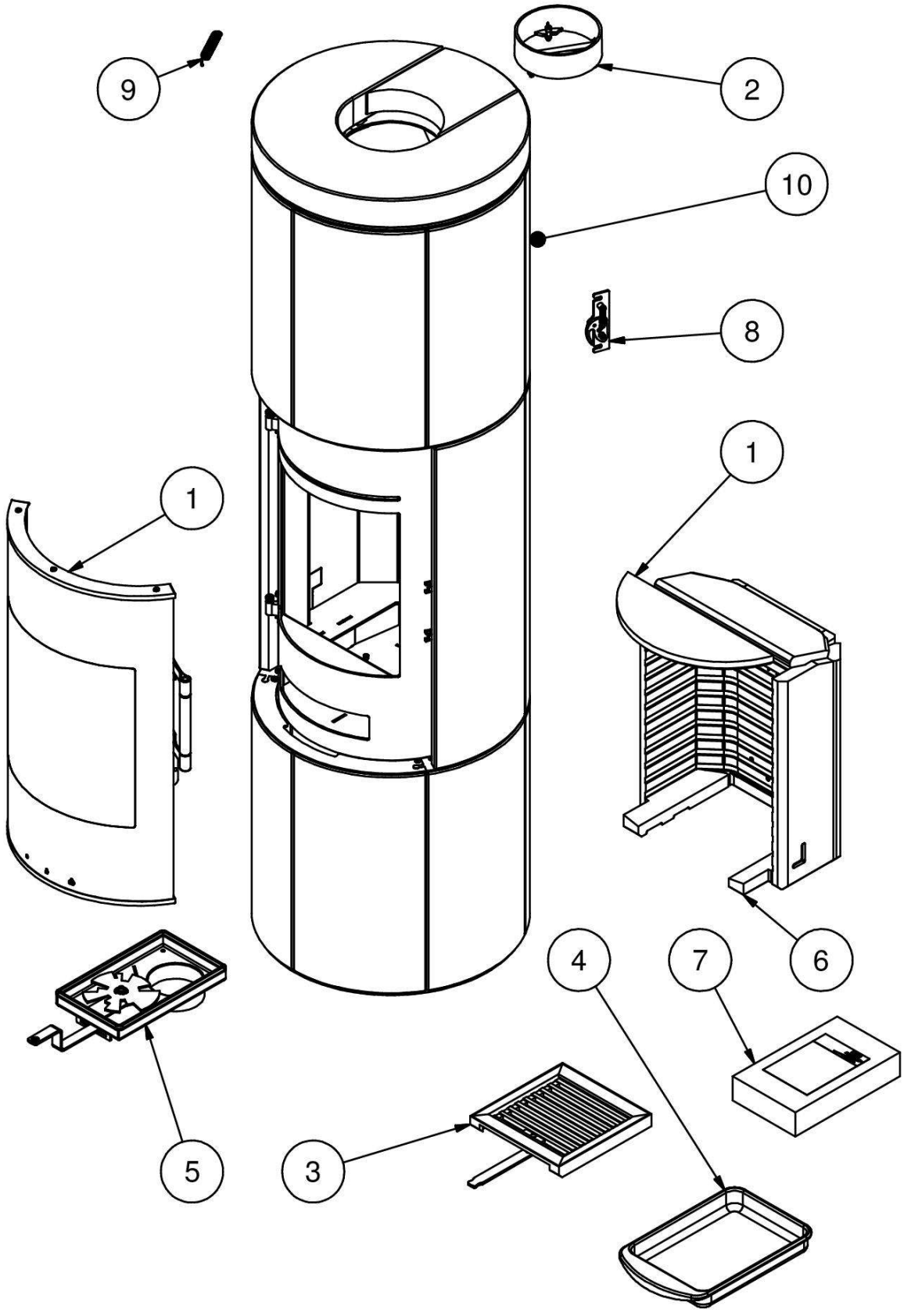
Spare parts drawing Juno without side glass (back of the user manual)

All replaceable parts can be bought as spare parts from your RAIS distributor.

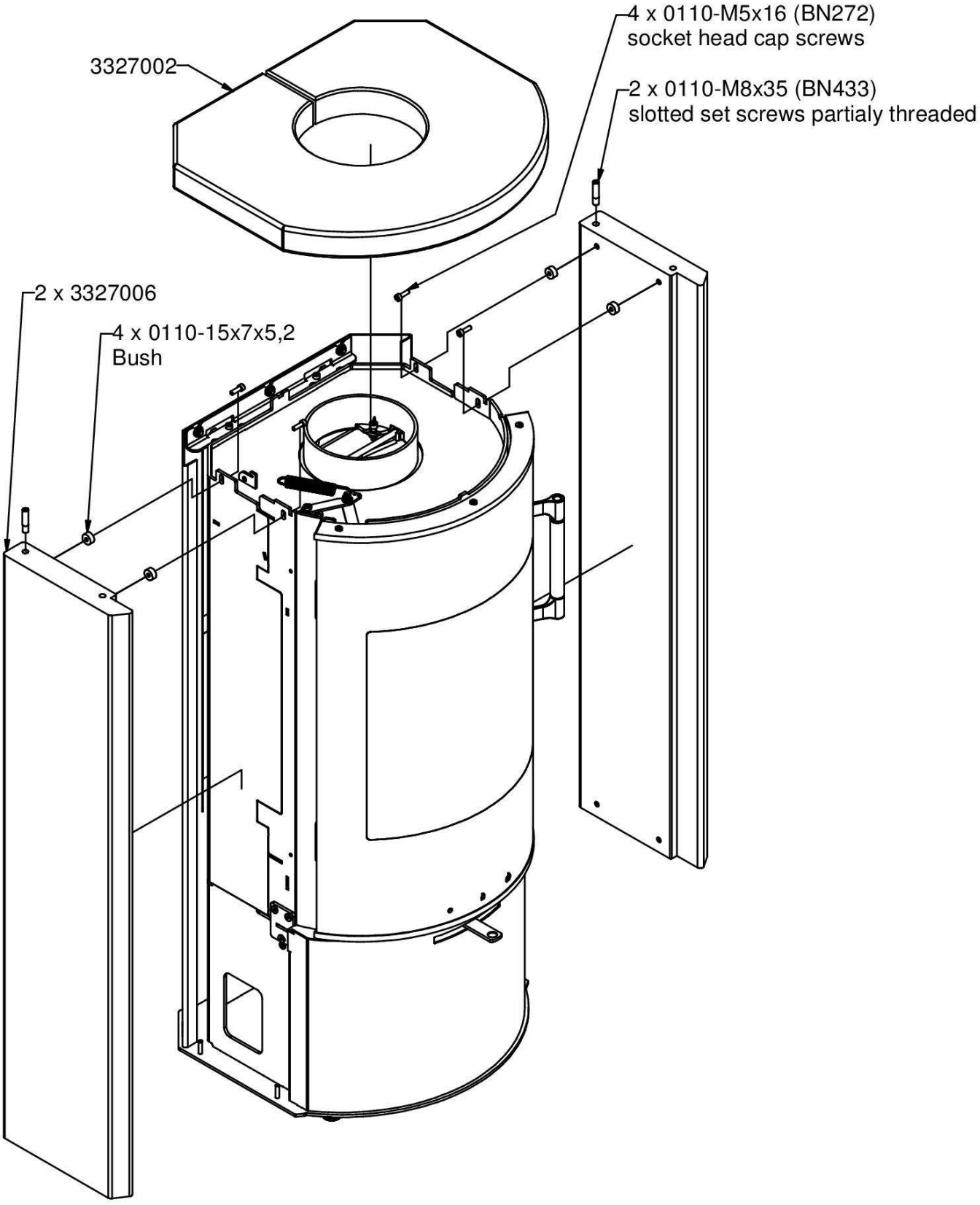
See the following spare parts diagrams for the individual products.

Pos/Ref.	Quantity	Part nuo.:	Description
1	1	1312090	Glass door
2	1	61-00	Flue collar 6”
3	1	1313800	Shaking grate
4	1	1314001	Ash pan
5	1	4311790	Air-box
6	1	1312200	Fire brick set
7	1	1315500	Seal set
8	1	1311890	Closing system
9	2	7301026	BA1 spring, stainless wire
10	1	431700001 / 431700002	Soapstone set

RAIS JUNO 1560



Installation of soapstone - Rina



EC CERTIFICATE AND DECLARATION OF CONFORMITY

The undersigned, who represents the following manufacturer

Manufacturer:	RAIS A/S
Address:	Industrivej 20, DK-9900 Frederikshavn, Denmark

hereby declares that the product

Product identification: RAIS VIVA 98, RAIS VIVA 120 RAIS VIVA 98 G, RAIS VIVA 120 G RINA 90

is in conformity with the requirements according to the following EC directive(s)
(Inclusive all valid supplementary material)

Reference no.	Title
1989/106/EC	**Directive of Building regulations (89/106/EEC Construction Products – CPD)**

And that all standards and/or technical specifications mentioned on the next page have been carried out.

Last two figures, the year, where the CE-label was put on the stove: **11**

PLACE: FREDERIKSHAVN, DENMARK DATE: 19-09-2011

.....
Signature

Henrik Nørgaard, Managing Director

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EC CERTIFICATE AND DECLARATION OF CONFORMITY

References to standards or/and technical specifications, which have been applicable to this Declaration of Conformity, or partly:

- **Harmonized standards:**

No.	Edition	Title	Part
EN 13240	**2001**	**Room heaters fired by solid fuel**	
EN 13240/A2	**2004**	**Room heaters fired by solid fuel (Supplementary material)**	

- **Other standards and/or technical specifications:**

No.	Edition	Title	Part

- **Other technical solutions, of which detailed information are included in the technical documentation or the technical dossier of the construction:**

OPTION: AIR-SYSTEM
.....
OPTION: TURNING TABLE
(RAIS VIVA 98, RAIS VIVA 120, RAIS VIVA 98 G, RAIS VIVA 120 G)
.....
.....

Other references or other relevant information determined by the applicable EC Directive(s):
.....
.....
.....
.....

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Robeys

A PASSION FOR QUALITY

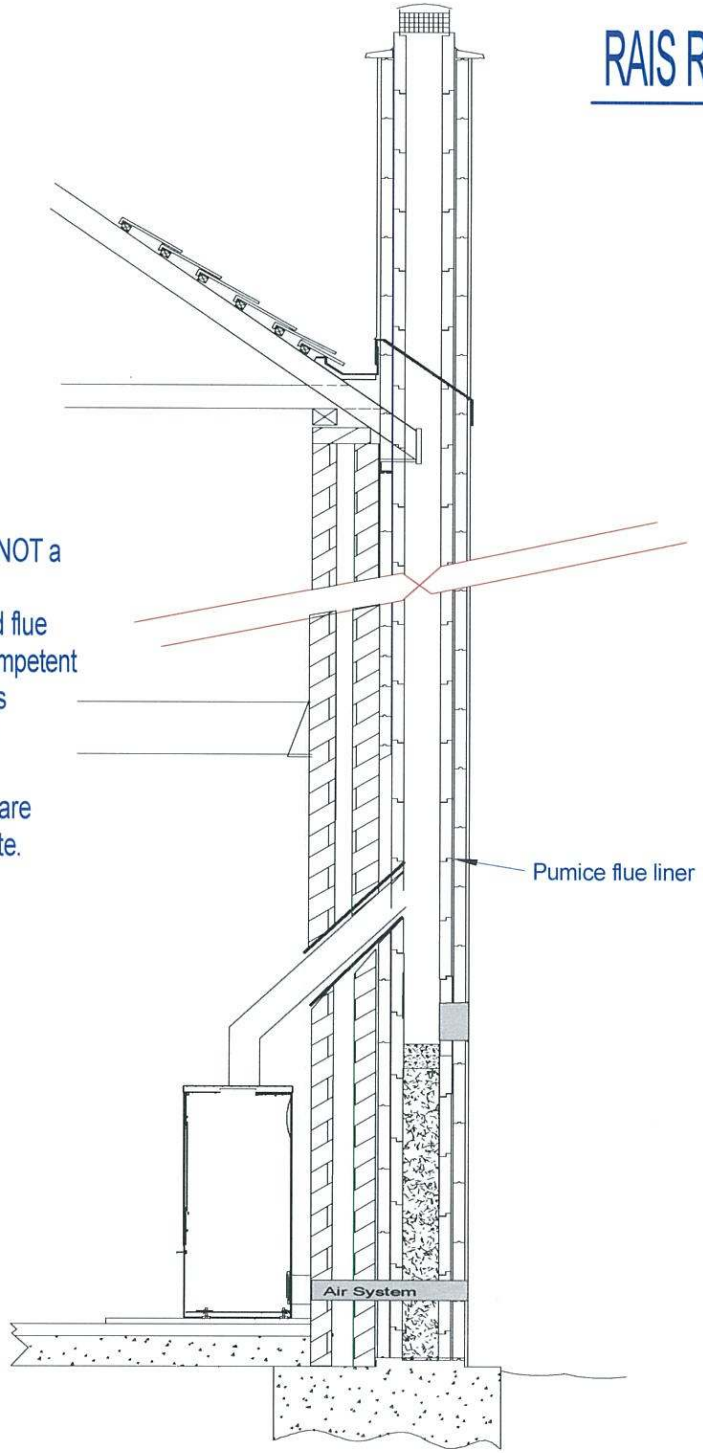
RAIS®

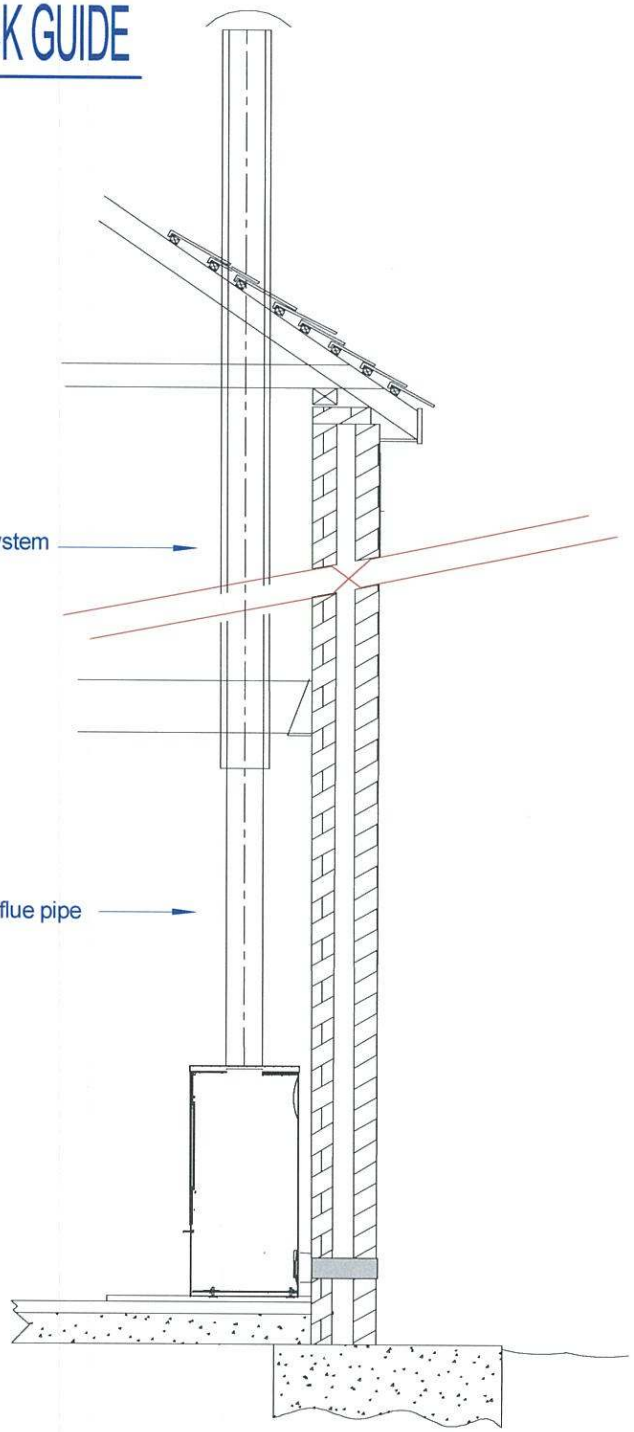
ART OF FIRE

RAIS RINA / VIVA QUICK GUIDE

TYPICAL INSTALLATIONS

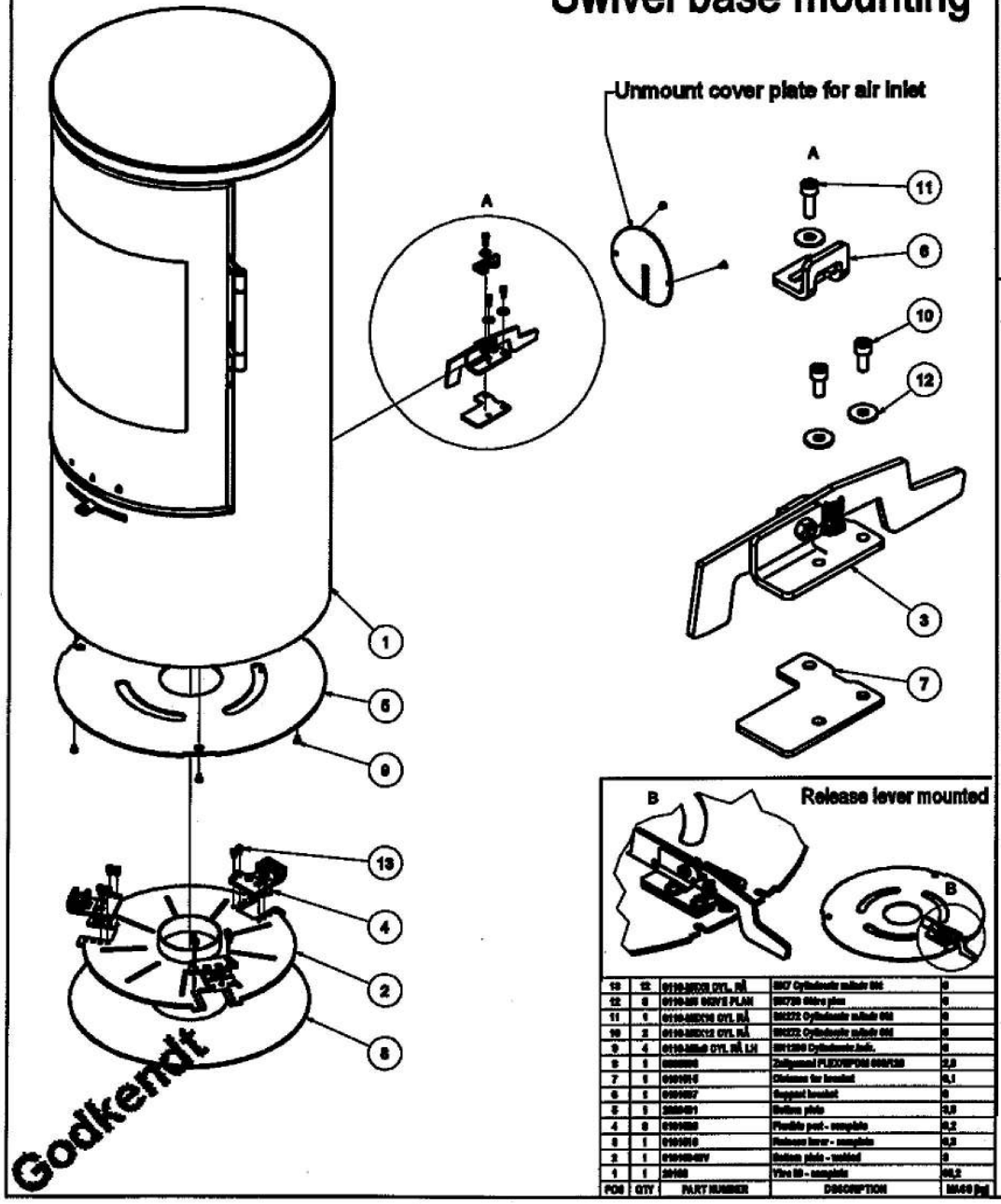
For guidance purposes only, this in NOT a working drawing.
Please ensure that all appliance and flue installations are undertaken by a competent approved installer, following the Rais installation guide and are to current local Building Regulations.
We recommend that all dimensions are checked against the appliance on site.





MARCH 2011

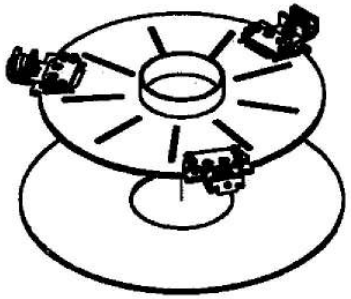
Swivel base mounting



POS	QTY	PART NUMBER	DESCRIPTION	MASS [kg]
13	1	0110-SBDX CYL. RÅ	BK7 Cylinderskr m/bolt SH	0
12	2	0110-SB5 HØVE PLAN	BK738 Hävs plan	0
11	1	0110-SBDX16 CYL RÅ	BK222 Cylinderskr m/bolt SH	0
10	2	0110-SBDX12 CYL RÅ	BK222 Cylinderskr m/bolt SH	0
9	4	0110-SB5-0 CYL RÅ LH	BK1200 Cylinderskr bolt,	0
8	1	0000000	Tætningsmat FLEXIPOND 0000X30	0,0
7	1	0101015	Clutsnes for bracket	0,1
6	1	0101007	Support bracket	0
5	1	2000001	Bottom plate	0,0
4	0	0101000	Flexible part - complete	0,2
3	1	0101010	Release lever - complete	0,3
2	1	0101000-SV	Bottom plate - welded	0
1	1	20100	Viva 98 - complete	66,0

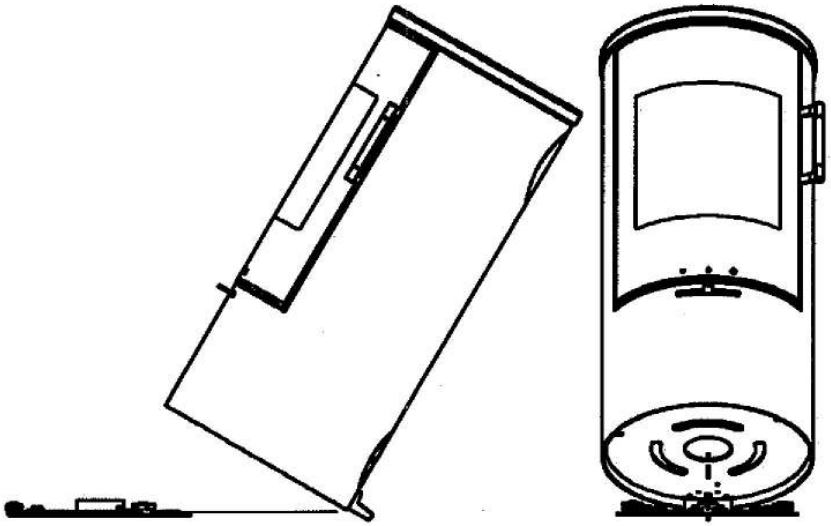
Step 1:

Glue the gasket below the swivel base



Step 2:

Tilt the stove, and slide the swivel base under the stove.
Fix the swivel base in the central hole of the stove's bottom plate



TILLADTE AFVIGELSER FOR LINEÆRE MÅL						
0,5–3	3–6	6–30	30–120	120–400	400–1000	1000–2000
±0,1	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2
TILLADTE AFVIGELSER FOR VINKELMÅL						
KORTESTE SIDE	0–10	10–50	50–120	120–400	> 400	
VINKELAFVIGELSE	±1°	±0–30'	±0–20'	±0–10'	±0–5'	
AFVIGELSE MM						
pr. 100 mm	±1,8	±0,9	±0,6	±0,3	±0,15	

Revision: 07111 Pos.6 changed to 9161507
Rev: A
Afvigelsesrapport nr.:
Indgår i:

OV: UV:
Bemærkning:
Materiale

RAIS ART OF FIRE
SKIVEVEJ 39, 8600 SILKEBORG
Telefon 86870533 · Telefax 86870591
E-mail: info@rais.dk Hjemmeside: www.rais.dk

Tegner:	Konstrukter:	Format:
ksj	ksj	A2
Oprettet:	Ændret:	Rev.Dato:
20110907		20111107

Tegningsnavn: Viva 98 Mounting of Swivel base

Projekt:	Godkendt af:	Plot dato:	Tegningsnummer:
2011	SDV	20120116	2318618

RAIS®
ART OF FIRE

RAIS A/S
Industrivej 20
DK-9900 Frederikshavn
www.rais.dk

Robeys

U K Distributor.

Robeys Ltd.
Riverside, Goods Road, Belper,
Derbyshire, England. DE56 1UU
Tel: 01773 820940 Fax: 01773 820477
E Mail: info@robeys.co.uk
www.robeys.co.uk

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